

Ceres

Product Catalogue



- IP67 Mated Or Unmated
- Metal or Plastic
- Mating Style: 2 or 3 Points Lock Bayonet, Screw Thread, Push Lock
- Assembly Style: Solder, Screw-in, PCB 180°, PCB 90°, Crimp
- Power, Data / Signal, Hybrid
- Flammability UL 94V-0
- UV Resistant



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IP 67



Corrosion
Resistant



High Mating
Durability



UV
Resistant



UL
Recognized

PRODUCT SELECTION GUIDE

Circular (Ceres, X-Lok, M)

	Mating Style						Materials	No. of Contacts	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed		Salt Spray (Connector, Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					Cat. 5e	Cat. 6A	
Ceres Series																	
Mini	•				•		B	2-6	•		250V	2A-5A	26-24	2,000			500h
Standard	•				•		B	2-12	•		250-600V	2A-10A 5A+2A 10A+5A	26-20	2,000			500h
Middle	•	•			•		P	2-18	•	•	250-600V	2A-20A 5A+2A 10A+2A 10A+5A	24-14	2,000			500h
Large	•				•		B	2-22	•	•	250-600V	2A-20A 20A+2A 20A+5A	26-16	2,000			500h
Macro	•						P	31	•		200V	5A	26	2,000			500h
PLD			•				P	2-4	•		250V	5A	26-20	2,000			500h
MAB	•						P	4	•		250V	10A	20	2,000			500h
GBD		•					P	8	•		250V	10A+5A	24-20	2,000			500h
X-LOK Series																	
Mini / LED			•				B	2-33	•		30-630V	0.5A-16A 5A-10A	32-14	1,000	•	•	500h
Standard			•				P	2-8	•		300-600V	10A+5A	26-16	1,000			500h
Middle			•				P	2-12	•	•	300-600V	5A-20A 10A+5A	26-12	1,000			500h
Large			•				B	2-100	•	•	60V (0.5A) 300-600V	0.5A-20A 20A+5A 50A	32-26	1,000			500h
Macro			•				P	4-31	•	•	300-600V	50A+5A	22-8	1,000			500h
M Series																	
M5					•		M	3-4	•		60V	1A	26	1,000			48h
Guided M8 / LED					•	Snap-in	B	2-6	•		30-60V	1.5A-3A 3A+1.5A	24-22	1,000			48h
M8 / LED					•	Snap-in	B	3-13	•		30-60V	0.5A-3A	32-22	1,000			48h
M10.5					•		M	2-5	•		30V	2A	24	1,000			48h
M12 A / LED			•	•			B	3-28	•		30-250V	0.5A-4A	30-22	1,000	•		48h
M12 B / LED			•	•			B	5	•		60V	4A	26-22	1,000			48h
M12 D / LED			•	•			B	4	•		250V	4A	26-22	1,000	•		48h
M12 I			•	•			B	5	•		60V	4A	22	1,000			48h
M12 K / LED			•	•			B	3-5	•		630V	12A, 16A	14	1,000			48h
M12 L / LED			•	•			B	2-5	•		63V	16A	14	1,000			48h
M12 M / LED			•	•			B	3-6	•		630V	8A	16	1,000			48h
M12 S			•	•			B	3-4	•		630V	12A	16	1,000			48h
M12 T			•	•			B	2-4	•		63V	12A	16	1,000			48h
M12 X			•	•			M	8	•		30-60V	0.5A	26	1,000		•	48h
M23					•		M	6	•		600V	28A	14-12	1,000			48h

Remarks:
Materials: P (Plastic), M (Metal), B (Both)
Assemble Style: RO (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)
Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: RO (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

Circular (FLOS, Power, RBL, DeepTronica)

	Mating Style						Materials	No. of Contacts	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					
FLOS Series															
B				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	144h
K				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	144h
K (FLOS+)				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	1000h
C				•			M	2-19	•		160-700V	1.5A-20A	28-16	3,000	144h
S				•			M	1	•		260-1000V	15A	28-16	3,000	144h
Y				•		Break Away	M	2-26	•		260-1000V	5A-14A	28-16	5,000	96h
P				•			P	2-14	•		200-400V	2A-10A	28-16	2,000	
N				•			M	2-19	•		200-800V	5A-22A	28-16	3,000	144h
Power Series															
PWE					•		P	5-7	•		277V	8A	20-17	500	500h
PWF					•		P	2-4	•		277V	12A	18-15	500	500h
PWG					•		P	4	•		277V	16A	18-14	500	500h
PWC	•	•					P	3	•		277V	20A	14-12	500	500h
PWCU	•	•					P	4 & 12	•		277V	20A+2A	14-12, 24-22	500	500h
PWH		•			•		P	3, 5	•		660V (AC) 1000V (DC)	25A	12	500	500h
PWL		•					P	3	•		300V	30A	14-8	500	500h
PWM		•					P	2	•		600V	50A	9-8	500	720h
PWMU		•					P	2+2, 2+4	•		600V	50A+2A	9-8, 22-20	500	720h
PWN		•					P	2	•		600V	70A	8-6	500	720h
PWNU		•					P	2+2, 2+4	•		600V	70A + 2A	8-6, 22-20	500	720h
PWP		•					P	2 & 3	•		600V	80A	4	500	720h
PWPD		•					P	2+2, 2+4, 3+2, 3+4	•		600V	80A+5A	4, 20	500	720h
PWX		•					P	9 (30A) 14 (30A+5A) 5 (50A) 12 (50A+5A) 4 (80A) 7 (80A+5A)	•		300-600V	30A, 30A+5A 50A, 50A+5A 80A, 80A+5A	22-20, 14-8, 9-8, 4	500	720h
RBL Series															
Middle			With Latch				P	2-9	•		300V	5A-10A 10A+5A	20-16	250	48h
Large			With Latch				P	2-18	•		300V	5A-20A 20A+5A	24-12	250	48h
DeepTronica															
Bathypelagic (4,000 m)				•			B								
Abyssopelagic (6,000 m)				•			B	1-27			200V-1000V	2A-50A	22-8	500-1,000	1000h
Hadopelagic (11,000 m)				•			B								

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Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: RO (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

(R0) Receptacle					(FI) Field Installable					OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
Solder	Crimp	Screw In	PCB 180	PCB 90	RW	Solder	Crimp	Screw In	Push In									
•			•	•		•	•				•		(2)	•	•		IP50 (Mated)	<ul style="list-style-type: none"> ◦ R0: -40°C - 125°C ◦ OC: -20°C - 85°C ◦ FI: -40°C - 125°C
•			•	•		•	•				•		(2)	•	•		IP68 (Mated)	
•			•	•		•	•				•		(2)	•	•		R0: IP68 (Unmated) OC: IP68 (Mated) FI: IP68 (Mated)	
•			•	•		•	•				•		(2)	•	•		IP68 (Mated)	
•			•	•		•	•				•		(2)	•	•		IP50 (Mated)	
•			•	•		•	•				•		(2)	•	•		IP68 (Mated)	
•			•	•		•	•				•	•	(2)	•	•		IP50 / IP66 (Mated)	
•			•	•		•	•				•		(2)	•	•		IP68 (Mated)	
•						•					•	94-HB	(2)	•	UL1977	IP67 / IP68	<ul style="list-style-type: none"> ◦ R0: -40°C - 105°C ◦ OC: -20°C ~ 80°C ◦ FI: -40°C ~ 105°C 	
•						•					•	94-HB	(2)	•	UL1977, TUV	IP67 / IP68		
		•						•			•		(2)	*	UL1977	IP67 / IP68		
•						•		•			•	•	(2)	•	UL1977, TUV	IP67 / IP68		
•						•					•	•	(2)	•	UL1977, TUV	IP67 / IP68		
	•	•					•	•			•	•	(2)	•	UL1977, UL6703A, TUV	IP67 / IP68		
•						•		•			•	•	(2)	•	UL2238	IP67 / IP68		
•								•			•	•	(2)	•	UL1977	IP67 (Mated)		
•								•			•	•	(2)	•	UL1977	IP67 (Mated)		
•								•			•	•	(2)	•	UL1977	IP67 (Mated)		
	•						•				•	•	(2)	•	UL1977	IP67 (Mated)		
	•						•				•	•	(2)	•	UL1977	IP67 (Mated)		
							•				•	•		•	UL1977	IP69K (Mated)		
					•		•				•	•	(2)	•	UL1977		◦ RW: -40°C ~ 105°C	
					•		•				•	•	(2)	•	UL1977		◦ OC: -20°C ~ 80°C, Data: -20°C ~ 80°C	
					•		•				•	*	(2)	•			Power: -20°C ~ 105°C	
					•		•				•			•			Hybrid: -40°C ~ 105°C	
					•		•				•			•			◦ FI: -40°C ~ 105°C	
					•		•				•			•			Deep Mating: 300 ~ 800 bar	
					•		•				•			•			◦ Air: -40°C - 90°C	
					•		•				•			•			◦ Water: -4°C ~ 60°C	

PRODUCT SELECTION GUIDE

Circular (HS-Lok, NMEA 2000, Mini, Heavy Duty Shielded)

	Mating Style						Materials	No. of Contacts	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					
HS-Lok Series															
Q8				•			B	2-6	•		100V (DC), 300V, 300V (AC) + 100V (DC)	2A, 5A, 5A+2A	24-20	2,000	500h
NMEA 2000															
Lite (Micro)				•	•		B	5	•		60V	4A	16*1P+20*1P 18*1P+22*1P 22*1P+24*1P	Push Pull 500, Screw Thread 1,000	Metal: 48h Plastic: 1,000h
Heavy (Mini)					•		M	4-5	•		600V	8A	15*1P+18*1P 16*1P+18*1P	1,000	
7/8" Mini															
7/8" Mini					•		M	2, 2+PE, 4, 4+PE, 6	•		600V	8A-13A	16	1,000	48h
Heavy Duty Shielded															
Heavy Duty Shielded					*		M	2-14	•		50-300V	5A-40A	22-8	1,000	48h / 500h

Remarks:
Materials: P (Plastic), M (Metal), B (Both)
Assemble Style: R0 (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)
Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: R0 (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

(RO) Receptacle				(FI) Field Installable					OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
Solder	PCB 180	PCB 90	RW	Solder	Crimp	Screw In	Push In	IDC									
•				•					•	•	(2)		•	UL2238, UL50e	RO: IP68 (Unmated) OC: IP68 (Mated) FI: IP68 (Mated)	◦ RO: -40°C - 105°C ◦ OC: -40°C - 105°C ◦ FI: -40°C - 105°C	
•	•		•	•		•	•		•		(1)	•	•	NMEA 2000	RO: IP68 (Unmated) RW: IP68 (Unmated) OC: IP68 (Mated)	◦ RO: -40°C - 105°C ◦ RW: -20°C - 85°C ◦ OC: -20°C - 85°C	
•	•					•	•		•		94-HB	(1)	•	•	NMEA 2000	FI: IP67 (Mated)	◦ FI: -40°C - 105°C
•	•		•	•	•	•			•			(1)			RO: IP68 (Unmated) RW: IP68 (Unmated) OC: IP68 (Mated) FI: IP67 (Mated)	◦ RO: -40°C - 105°C ◦ OC: -40°C - 105°C ◦ FI: -40°C - 105°C	
•				•					•	•	94-HB	(1)	•	•	RO: IP68 (Unmated) OC: IP68 (Mated) FI: IP68 (Mated)	◦ RO: -40°C - 105°C ◦ RW: -20°C - 85°C ◦ OC: -20°C - 85°C ◦ FI: -40°C - 105°C	

PRODUCT SELECTION GUIDE

Other IO (RJ45, USB, D-Sub, SSL, HDMI, DVI)

	Mating Style			Materials	No. of Contacts	Gold Plated	Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed			
	2 Points Lock	3 Points Lock	Push Lock								Screw Thread	Others	Cat. 5e	Cat. 6A
RJ45 Series														
Middle		•		•	B	8		44-57V (DC)	Max. 1.5A	24	750	•	•	
Large / I-Adaptor	•	•		•	P	8		44-57V (DC)	Max. 1.5A	24	750	•		
ODVA	•				P	8		44-57V (DC)	Max. 1.5A	24	750	•		
Self-Closing Cover					P	8		44-57V (DC)	Max. 1.5A		750	•	•	
USB Series														
Mini USB Type B				•	P		•	30V	1.5A	28*1P + 28*3C	5,000			
Type A	•			•	B		•	30V	USB 2.0: 1.5A USB 3.2Gen1:	28*1P + 24*2C	1,500			
Type B	•			•	B		•	30V	USB 2.0: 1.5A	28*1P + 24*2C	1,500			
Micro USB Swift					M		•	30V (AC) 5V (DC)	1 & 5 Pin: 1.8A 2, 3 & 4 Pin: 1A		10,000			
Micro USB Swift-MU					P		•	30V (AC) 5V (DC)	1 & 5 Pin: 1.8A 2, 3 & 4 Pin: 1A	28	10,000			
Type C Swift-LP					M		•	30V (DC)	Up To 5A	32*1P + 24*1C + 28*1D	10,000			
Type C Swift-LA					P		•	30V (DC)	Up To 3A	32*1P + 24*1C + 28*1D	10,000			
Type C Swift-GG				•	B		•	30V (DC)	Up To 5A	32*1P + 24*1C + 28*1D	10,000			
Type C Swift-XL			•		P		•	30V (DC)	Up To 3A	32*1P + 24*1C + 28*1D	10,000			
D-SUB Series														
Standard				•	Automated Latch	M	9, 15, 25, 37, 50*	•	125V (DC)	5A	24	500		
High Density				•	Automated Latch	M	15, 26, 44, 62*, 78*	•	125V (DC)	2A	26	500		
SSL Series														
SSL1.1			•		P	2-6		•	100V	3A	22	100		
SSL1.2			•		P	2-4		•	250V	5A	22-18	30		
SSL1.3					P	1		•	500V	5A		10		
SSL2.1					P	2		•	600V	12A		20		
SSL2.3					P	2		•	500V	3A		100		
HDMI Series														
Circular				•		P	19	•	30V (AC)	0.5A	26	500		
Rectangular			•		With Latch	P	19	•	30V (AC)	0.5A	26	500		
Mini-HDMI				•		P	19	•	30V (AC)	0.5A	30	500		
DVI Series														
DDD					M	25		•	40V (AC)	1.5A	28	100		
DDS					M	19		•	40V (AC)	1.5A	28	100		
DID					M	29		•	40V (AC)	1.5A	28	100		
DIS					M	23		•	40V (AC)	1.5A	28	100		

Remarks:
Materials: P (Plastic), M (Metal), B (Both)
Assemble Style: RO (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)
Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: RO (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

USB 2.0	High Speed		Salt Spray (Connector, Mated)	RO	RW	RP	OC	FI	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Standard / Compliant / Certifications	Operating Temperature & IP Rating
	USB 3.2 Gen1	USB 3.2 Gen2													
			48h	PCB 90 & 180, Jack 90 & 180			•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	◦ RO: -40°C - 105°C, IP67 (Unmated)
			48h	PCB180, Jack 90 & 180			•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	◦ RP: -20°C - 85°C, IP67 (Unmated) ◦ OC: -20°C - 85°C, IP67P (Mated) ◦ FI: -40°C - 105°C, IP67 (Mated)
			48h	Jack 180			•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	
			48h	•					•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	-40°C - 105°C, IP67 (Unmated)
•			48h	•	•					94V-HB	(2)	•	•		◦ RO: -40°C - 105°C, IP67 (Unmated)
•	•		48h	Type 1 & 2, Jack, PCB 180	•		•	Solder		•	(2)	•	•		◦ RW: -20°C - 85°C, IP67 (Unmated) ◦ OC: -20°C - 85°C, IP67P (Mated) ◦ FI: -40°C - 105°C, IP67 (Mated)
•			48h	Type 1 & 2, Jack, PCB 180	•		•	Solder		•	(2)	•	•		◦ FI: -40°C - 105°C, IP67 (Mated)
•			48h	•						•	(2)	•	•		-30°C - 80°C, IP67/IP68 (Unmated)
•			48h				•			•	(2)	•	•		-40°C - 80°C, IP67 (Mated)
		•	48h	•						•	(2)	•	•		-40°C - 85°C, IP67 (Unmated)
•	•		48h	•			•			•	(2)	•	•		◦ RO: -40°C - 85°C, IP68 (Unmated) ◦ OC: -20°C - 85°C, IP67 (Mated)
	•	•	48h	•			•			•	(2)	•	•		◦ RO: -40°C - 85°C, IP67 (Unmated) ◦ OC: -20°C - 85°C, IP67 (Mated)
	•		48h	•			•			•	(2)	•	•		◦ OC: -20°C - 85°C, IP68 (Mated)
			8h	Solder, PCB 90& 180			•	Solder, Crimp			(2)	•	•		◦ RO: -40°C - 105°C, IP68 (Unmated) ◦ OC: -20°C - 85°C, IP67P (Mated) ◦ FI: -40°C - 105°C, IP67 (Mated)
			8h	Solder, PCB 90& 180			•	Solder, Crimp			(2)	•	•		
				•			•			•	(2)	•	•	CSA C22.2, UL1977	-40°C - 105°C, Non-IP
				•			•	•	•	•	(2)	•	•	CSA C22.2, UL1977, cUL UL2238+UL50e	-40°C - 105°C, IP68 (Mated)
				•						•	(2)	•	•	CSA, UL1977	-40°C - 105°C, Non-IP
				•						•	(2)	•	•	CSA, UL1977	-40°C - 105°C, Non-IP
				•						•	(2)	•	•		-40°C - 105°C, Non-IP
			48h	•			•			94V-HB	(2)	•	•		◦ RO: -20°C - 85°C, IP67 (Unmated)
			48h	•			•			94V-1	(2)	•	•		◦ OC: -20°C - 85°C, IP67P (Mated)
			48h	•			•			•	(2)	•	•		
			8h	•			•				(2)	•	•		◦ RO: -40°C - 105°C, IP68 (Unmated)
			8h	•			•				(2)	•	•		◦ OC: -20°C - 85°C, IP67P (Mated)
			8h	•			•				(2)	•	•		
			8h	•			•				(2)	•	•		

PRODUCT SELECTION GUIDE

Other IO (Fiber, ZConnect, RF)

	Mating Style			Materials	No. of Contacts	Gold Plated	Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed	
	2 Points Lock	3 Points Lock	Push Lock								Screw Thread	Others
Fiber Optic Series												
LC		•										
SC		•										
ZConnect Series												
FPC / FFC / WTB				Quick Plug	B	40, 36, 20, 18, 12	•	120V	1A		10	
RF Series												
SMA Type					M	1	•	335 Volts RMS At Sea Level		1.13mm, 1.32mm, 1.37mm, RG178	500	
N Type					M	1	•	1,000 Volts RMS At Sea Level		1.13mm, 1.32mm, 1.37mm, RG142, RG178, G58 A/U	500	

Other (Cable Joiner, Cable Gland, Protective Vent, LED)

	Mating Style		Materials	No. of Contacts	Contacts				Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Salt Spray (Connector, Mated)	Receptacle
	Push Lock With Latch	Screw Thread			Gold Plated	Nickel Plated	Thermo plastic	SUS316L					
Cable Joiner Series													
M20		•	P	None, 4	•				10A	22-16			
M32	•		P	None, 4	•				15A-30A	16-10			
FICXI Tube (11)		•	P	2-5		•		450V (Non-UL) 600V (UL)	10A-30A	20-12			
FICXI Tube (12)		•	P	2-5		•		450V (Non-UL) 600V (UL)	8A-20A	18-12			
FICXI Tube (13)		•	P	2-5		•		450V (Non-UL) 600V (UL)	8A-20A	18-12			
FICXT Tube (T2)		•	P	2-5		•		450V (Non-UL) 600V (UL)	10A-20A	20-12			
Cable Gland Series													
Cable Gland		•	B									•	
Protective Vent													
M6 Plastic		•	P			•					1,000h	•	
M12 Snap-in		•	P			•					1,000h	•	
M12 Stainless		•	M				•				1,000h	•	
M12 Plastic		•	P			•					1,000h	•	
M12 Metal		•	M			•					48h	•	
LED Light Guide													
Ø3mm			B			•		4V				•	
Ø5mm			M			•		4V				•	

Remarks:
Materials: P (Plastic), M (Metal), B (Both)
Assemble Style: R0 (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)
Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm
Operation Temperature & IP Rating: R0 (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

USB 2.0	High Speed		Salt Spray (Connector, Mated)	RO	RW	RP	OC	FI	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Standard / Compliant / Certifications	Operating Temperature & IP Rating
	USB 3.2 Gen1	USB 3.2 Gen2													
			48h	•				•	•				•		-40°C - 105°C, IP67 (Mated)
			48h	•				•	•				•		-40°C - 105°C, IP67 (Mated)
			48h							•			•		-40°C - 110°C, Non-IP
			48h	•								•	•	MIL-C-39012	-40°C - 105°C, IP68 (Unmated)
			48h	•								•	•	MIL-C-39012	-40°C - 105°C, IP68 (Unmated)

Field Installable	UV Resistant	UL 94V-0	Vibration	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
•	•	94V-2		•		IP67	-40°C - 105°C
•	•	•		•	UL6703A	IP67	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•		94V-0 94V-2	(2)	•		IP67 (Mated) IP68 (Mated)	• RO: -20°C - 105°C • FI: -20°C - 105°C
	•	•		•		IP66, IP68	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
						IP67	• Red & Green: -30°C - 80°C • Others: -40°C - 80°C
						IP67	• Red & Green: -30°C - 80°C • Others: -40°C - 80°C

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
LED Lighting																								
Architectural Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Outdoor LED Displays	•	•	•	•	•	•				•		•		•				•		•	•	•		
Outdoor Signage	•	•			•	•				•		•		•				•		•	•	•		
Entertainment Lighting & Systems	•	•			•	•		•		•		•		•				•		•	•	•		
Smart City, Street Lighting	•	•			•	•				•		•		•				•		•	•	•		
Tunnel Lighting	•	•	•		•	•				•		•		•				•		•	•	•		
Parking Lighting	•	•			•	•		•		•		•		•				•		•	•	•		
Cruise & Shipyards Lighting	•	•	•		•	•		•	•	•		•		•				•		•	•	•		
High Speed Train & EV Bus	•	•			•	•		•		•	•		•		•			•		•	•	•		
Commercial Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Refrigeration Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Horticulture Lighting	•	•	•		•	•				•		•		•				•		•	•	•		
Warehouse Lighting	•	•			•	•				•		•		•				•		•	•	•		
Emergency Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
UV and Sanitary Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Li-Fi	•	•			•	•				•		•		•				•	•	•	•	•		
Hospital Surgical Lighting & Room	•	•	•		•	•		•		•		•		•				•		•	•	•		
ATEX Lighting	•	•			•	•		•				•		•				•		•	•	•		
Underwater / Submerged Lighting	•	•			•	•								•				•					•	
Marine																								
Multi-FunctionDisplay	•	•	•	•	•	•			•	•	•	•	•		•	•		•	•			•	•	•
Outboard Motors	•	•	•		•	•			•	•	•	•	•					•				•		•
Bilge Pump	•	•	•		•	•			•	•	•	•	•					•				•		•
Heater	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		•
HVAC (Heating Ventilation Air Conditioning)	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		•
Fridge	•	•	•		•	•		•	•	•	•	•	•					•				•		•
Docking System	•	•	•		•	•	•		•	•	•	•	•					•				•		•
Windlass	•	•	•		•	•			•	•	•	•	•					•				•		•
Sensors	•	•	•		•	•			•	•	•	•	•					•				•		•
RADAR	•	•	•		•	•		•	•	•	•	•	•					•				•		•
Antenna	•	•	•		•	•		•	•	•	•	•	•					•	•			•		•
USB Charger	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		•
Audio System	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		•
Lighting System	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		•
CCTV	•	•	•		•	•		•	•	•	•	•	•					•				•		•
Power Controller	•	•	•		•	•			•	•	•	•	•					•		•	•	•		•
Autopilot System	•	•	•		•	•			•	•	•	•	•					•		•	•	•		•
Automatic Identification System	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		•
GPS, Beacon & Lifebuoy	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		•
Sonar / Transducer	•	•	•		•	•			•	•	•	•	•					•				•		•
Fish-Finders	•	•	•		•	•			•	•	•	•	•					•				•		•
Chartplotter	•	•	•		•	•			•	•	•	•	•					•		•	•	•		•
Sailing Instruments	•	•	•		•	•			•	•	•	•	•					•		•	•	•		•
Shipyards & Cruise	•	•	•		•	•			•	•	•	•	•					•				•		•
Drilling Systems							•																	
Seaport							•																	
Submarine							•																	
ROVs							•																	
Marine Renewable Energy							•																	
ROTV							•																	
Buoys							•																	
Underwater Vehicles							•																	
Underwater Equipment							•																	
Diving							•																	
Broadband Wireless Access																								
General Small Cells	•	•	•		•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•
RRH (Remote Radio Head)	•	•	•		•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•
Wireless Mobile Backhaul	•	•	•		•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•
High Capacity Mobile Subscriber Unit	•	•	•		•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•
Outdoor Base Station Unit	•	•	•		•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•
Outdoor LTE	•	•	•		•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•
Outdoor AP	•	•	•		•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•
Subscriber Station	•	•	•		•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•
Outdoor Wireless Mesh Router	•	•	•		•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•
Base Station Power Supply	•	•		•	•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•
Communication System																		•						
Outdoor Wireless Mesh Router	•	•			•	•		•	•	•	•	•	•				•	•	•	•	•	•	•	•

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub	
Industrial Automation																									
Robotic Arm			•	•				•		•	•							•							
Industrial Server / Network	•	•	•	•	•			•		•	•	•	•		•	•	•	•	•			•	•	•	•
Industrial Forklifts (Truck)	•	•	•	•	•			•		•	•	•	•		•	•					•	•			•
AVI (Automatic visual inspection)	•	•	•	•	•			•		•	•														
Data Communication System	•	•	•	•	•			•		•	•	•	•		•	•			•				•	•	•
Industrial Control Center	•	•	•	•	•			•		•	•	•	•		•	•						•	•	•	•
Packaging Center	•	•	•	•	•			•		•	•														
Conveyors	•	•	•	•	•			•		•	•														
Sensors			•							•	•														
Power Distribution	•	•	•	•	•					•	•														
Actuators	•	•	•							•	•														
Motor Drives	•	•	•		•	•				•	•														
Industrial PC & Displays	•	•	•	•	•			•		•	•	•	•		•	•						•	•	•	•
Machine Tools	•	•	•	•	•					•	•														
Switches		•	•							•	•	•	•												•
Production Equipment	•	•	•	•	•	•				•	•	•	•									•	•	•	•
Renewable Energy																									
PV / DC Inverter	•	•	•		•	•				•	•	•								•	•	•	•	•	•
Micro Inverter																									
CSP & CPV	•	•	•		•	•				•	•														
Heliostat	•	•	•		•	•				•	•														
PV Trackers	•	•	•		•	•				•	•														
PV ICS (Integrated Control Systems)					•	•				•	•	•													
Portable Energy	•	•	•		•	•		•		•	•	•	•												
Communication System	•	•	•	•	•	•				•	•	•	•		•	•						•	•	•	•
PDC (Power Distribution Control)	•	•	•	•	•	•				•	•	•	•												
Wind Turbine	•	•	•	•	•	•				•	•	•	•												
Energy Storage System	•	•	•	•	•	•				•	•	•	•												
Tidal Power Generation System	•	•	•	•	•	•				•	•	•													
Heavy Equipment																									
Electronic Toll System	•	•	•	•	•	•		•		•	•	•	•		•	•						•	•	•	•
Automotive Diagnostics	•	•	•	•	•	•		•		•	•	•	•	•	•	•									
Agriculture Electronic Equipment	•	•	•	•	•	•		•		•	•	•	•		•	•						•	•	•	•
Lidar & Radar	•	•	•	•	•					•	•	•	•		•	•									
ADAS (Advanced Driver Assistance Systems)	•	•	•	•	•	•		•		•	•	•	•		•	•						•	•	•	•
Telematics & Tracking	•	•	•		•	•		•		•	•	•	•		•	•					•	•	•	•	•
Camera & Monitoring	•	•	•	•	•	•		•		•	•	•	•		•	•									
Control System	•	•	•	•	•	•		•		•	•	•	•		•	•									
Display	•	•	•	•	•	•		•		•	•	•	•		•	•									
GPS System	•	•	•	•	•	•		•		•	•	•	•		•	•									
Lighting	•	•	•		•	•				•	•			•							•	•			
Measurement Systems	•	•	•	•	•	•		•		•	•	•	•		•	•									
Sensors		•	•	•	•			•		•	•														
Automated Meter Reading																									
Water Meter	•	•	•	•	•			•				•	•												
Electricity Meter	•	•	•	•	•			•				•	•												
Gas Meter	•	•	•	•	•			•				•	•												
Alarm System	•	•	•	•	•			•				•	•												
Military Drone	•	•	•	•	•			•																	
Vehicle Tracking	•	•	•	•	•			•				•	•												
Telemetry	•	•	•	•	•			•				•	•												
Sewage	•	•	•	•	•	•		•				•	•												
Rugged IT																									
Telemetry		•	•	•				•				•	•												
Rugged & Military VR and AR		•	•	•				•					•												
Rugged Notebook				•								•	•		•	•									•
Night Vision Goggle			•	•				•				•													
Miniature Camera												•													
Rugged Tablet												•			•	•									
Communication Devices				•								•	•		•	•									•

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub	
Test Equipments																									
Air Flow Measurement
Gas Detectors
Precision Surveying
Earthquake Monitoring
Humidity Measurement
Leak Detectors
Light Measuring
Sound Measuring
Water Measurement
Weighing Devices
Weigh Modules
Heavy-duty Scales
Floor Scales
Wet Area Weighing
Dosing Systems
In-Motion Weighing
Borescope
Image Measurement
Timers / Timer Display
Laser Marking System
Digital Microscopes
Hybrid Electric Vehicles																									
Electric Wheelchair
Electrical and Electronic Speed Control
Electrical and Electronic Brake System
Throttle Controller
Battery Module
Motor Module
Gear Shift Module
Controller Unit
Charge Plug / Inlet
Charging Station
Home Charge Platform
Hoverboard
Electric Scooter
Railway Mass Transit																									
Infotainment Systems
In-Vehicle Information System
Indication Display
Navigation/GPS
HVAC (Heating Ventilation Air Conditioning)
Fuel Leakage Detector
Broadcasting System
Vehicle Monitoring
Cleaning Control
Speedometer
Interior Lighting
Mobile Devices																									
DRC (Drone Remote Controller)
Altimeter
Barcode Reader
GPS Safety Guard
Portable Lamp
Gesture Measurement
Wearables

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub	
Transportation																									
Vehicle Camera	•	•	•	•	•			•					•		•			•			•	•			
Switch			•									•	•					•							•
Dome Vehicle Camera	•	•	•			•												•				•	•		
RFID Reader																		•	•						
Bus GPS	•	•	•	•	•	•		•				•	•		•	•		•	•						
Displayer	•	•	•	•	•	•												•							
Outdoor Speaker	•	•	•	•	•	•												•							
Automotive Winches																		•							
Vehicle Charger	•	•	•			•												•							
Wifi Router												•						•							
Fleet Management	•	•	•	•	•	•												•							
Digital Video Surveillance System	•	•	•	•	•	•				•	•	•						•						•	
Medical Equipment																									
Medical Displays				•	•							•	•		•	•		•				•			•
Mobile Nursing Carts	•	•			•	•		•		•	•				•	•		•				•	•		•
Non-invasive Devices	•	•		•	•	•		•		•	•	•	•		•	•		•				•	•		•
Electrical Beds	•	•	•		•	•												•				•	•		•
Charges	•	•			•	•												•				•	•		•
Wheelchair Lift	•	•			•	•						•	•					•				•	•		•
Wheelchair Stair Lift	•	•			•	•						•	•					•				•	•		•
Rehabilitation System	•	•			•	•						•	•					•				•	•		•
Automotive Diagnostics																									
Auto Crash Notification	•	•	•	•	•	•		•		•	•	•	•					•	•						•
Vehicle Tracking	•	•	•		•	•		•		•	•		•					•	•				•		•
Vehicle Health Alert & Roadside Assistance	•	•	•	•	•	•		•		•	•	•	•					•	•						•
Remote Vehicle Diagnostics	•	•	•	•	•	•		•		•	•	•	•	•	•	•		•	•				•	•	•
UAV																									
Commercial Drone	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•	•	•	•
Military Drone	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•	•	•	•
Consumer Drone	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•	•	•	•
Lifts & Materials Handling																									
Forklift	•	•	•	•	•	•		•		•	•	•	•		•	•		•				•	•	•	•
Industrial Lift	•	•	•	•	•	•		•		•	•	•	•		•	•		•				•	•	•	•
Materials Handling	•	•	•	•	•	•		•		•	•	•	•		•	•		•				•	•	•	•
Remote Video Response Center																									
Encoders	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•	•	•	•
Monitoring Station	•	•	•		•	•				•	•	•	•		•	•		•				•			•
CCTV/Dome/IP Camera	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•	•		•	•	•	•
Remote Control	•	•			•	•		•				•	•					•				•			•
Junction Box	•	•			•	•						•	•		•	•		•				•	•		•
Automatic LPRS (License Plate Recognition System)	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•	•		•	•	•	•
Fingerprint ID													•					•							
Alarm System	•	•	•	•	•	•		•				•	•		•	•		•	•	•		•	•	•	•
Sensor			•															•							
Autonomous																									
GPS	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•						
Lidar	•	•	•	•	•	•		•		•	•	•	•		•	•		•				•	•		
Radar Sensors	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•						
Video Cameras	•	•	•	•	•	•		•		•	•	•	•		•	•		•				•	•		
Central Computer	•	•	•	•	•	•		•		•	•	•	•		•	•		•							
Inertial Measurement Unit	•	•	•	•	•	•		•		•	•	•	•		•	•		•							
Inertial Navigation Systems	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•						
Commercial Military																									
Commercial Military				•														•							

WE ARE AMPHENOL LTW

Founded in 1993, Amphenol LTW is a leader in rugged and harsh environment interconnects with the largest array of I/O and products ranging from IP65 to IP69K. The company continually provides innovative interconnect solutions for ever-demanding environments and is proactively committed to contributing to a safer and greener environment. Amphenol LTW features interconnects for technologically advanced products with environmentally friendly results.



AMPHENOL LTW TECHNOLOGY & CNC PLANT

- Headquarters: Taipei, Taiwan
- 150 Employees



KUNSHAN AMPHENOL ZHENGRI ELECTRONICS

- Kunshan, China
- 400 Employees



110+

Amphenol
Divisions



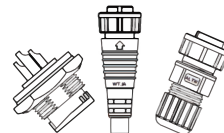
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e-mail: bce@bce.it - Website: www.bce.it

OUR CAPABILITIES

Both factories located in Taiwan and China are ISO9001:2015, ISO14001:2015, and UL certified. Our Test Laboratory is certified by TAF and is member of UL WTDP reliable partner. Wherever required, most of our products are TUV/VDE, UL/CSA certified. Thanks to our strict standards, we are able to contribute to your projects and design exactly what you need. From standard to customized products, Amphenol LTW has the right solutions for your applications.



Test Laboratory Accreditation

Quality Assurance

International Certifications



Automated Production Line

Capability: Contacts, Parts, and Shells

Number of Automatic Machines: 11

Production Capacity : 125,000 pins per day
(24 hours)

Number of CNC Machines: 33

Production Capacity : 125,000 pins per day
(24 hours)



Kunshan Factory – Horizontal Injection Workshop

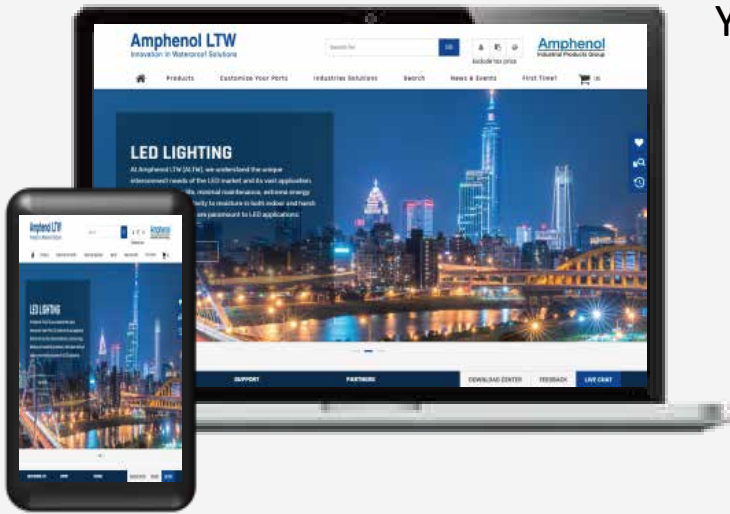
Molding Machines

Number of Machines: 17

Production Capacity : 3400pcs/hr

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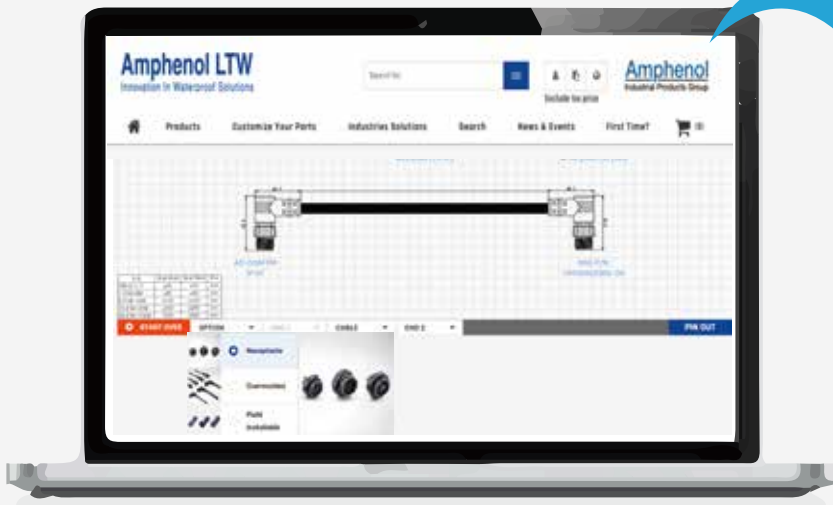
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Find All Product Range



Catalogs by Series
All Market Applications



Market Flyer
Product guidance



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Benefits

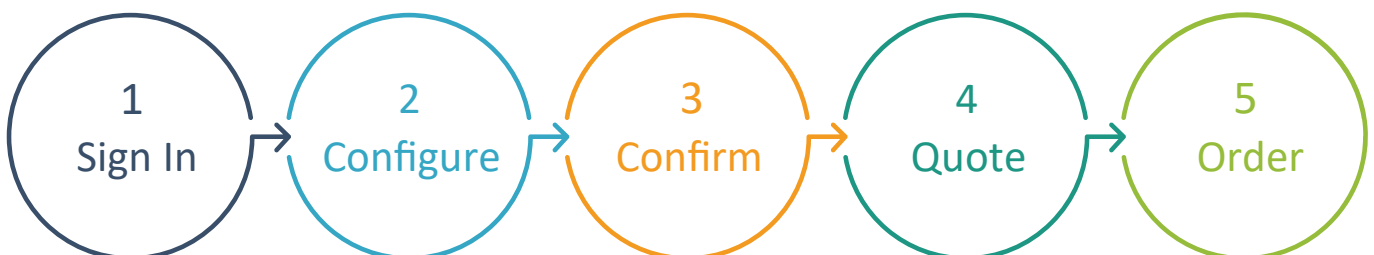
- ✓ Worldwide Access 24/7
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- ✓ Online Assistance (Live Chat)
- ✓ Instant Drawing Release
- ✓ Instant quotation
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Just A Few Simple Steps





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*Available 2022 Q1



TECHNICAL SUPPORT



ASSISTANCE



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微信公众号: AIPG2020



INFORMATION



FAQ

Find answers to frequently asked questions at
<https://www.bce.it/>



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Via Regina Pacis, 54/c - I 41049 Sassuolo (MO)
Tel.: (+39) 0536 811616 - Fax.: (+39) 0536 811500

e-mail: bce@bce.it - Website: www.bce.it





Marine

- AIS
- Audio System
- Autopilot System
- Bilge Pump
- Chartplotter
- Power Controller
- RADAR
- Multi-Function Display
- Sensors
- Shipyards & Cruise
- Sonar / Transducer
- USB Charger
- Windlass
- Docking System
- Fish-Finders
- Heater
- Lighting System
- Fridge & Refrigeration
- Outboard & Trolling Motors
- Sailing Instruments
- GPS, Beacon & Lifebuoy
- HVAC (Heating Ventilation Air Conditioning)
- IP and Infrared CCTV & Cameras



LED

- Outdoor LED Displays
- Outdoor Signage
- Parking Lighting
- Refrigeration Lighting
- Smart Street Lights
- ATEX Lighting
- Commercial Lighting
- Tunnel Lighting
- Architectural Lighting
- Emergency Lighting
- Horticulture Lighting
- Warehouse Lighting
- Cruise & Shipyards Lighting
- Li-Fi
- Underwater / Submerged Lighting
- UV and Sanitary Lighting
- Entertainment Lighting & Systems
- Hospital Surgical Lighting & Room
- Train, Bus, Plane & Recreational Vehicles Lighting



Industrial Automation

- Conveyors
- Industrial Control
- Industrial Forklifts
- Industrial Network
- Industrial PC & Displays
- Machine Tools
- Motor Drives
- Packaging
- Power
- Actuators
- AVI (Automatic visual inspection)
- Communication System
- Production Equipment



Broadband Wireless Access

- Outdoor LTE
- Outdoor Repeater
- Outdoor AP
- General Small Cells
- Subscriber Station
- RRH (Remote Radio Head)
- Wireless Mobile Backhaul
- Base Station Power Supply
- Outdoor Base Station Unit
- Outdoor Wireless Mesh Router
- High Capacity Mobile Subscriber Unit



Heavy Equipment

- Control System
- Display
- Electronic Toll System
- Lighting
- GPS System
- Telematics & Tracking
- Automotive Diagnostics
- Camera & Monitoring
- Agriculture Electronic Equipment
- Measurement Systems
- ADAS (Advanced Driver Assistance Systems)



Railway Mass Transit

- Broadcasting System
- Cleaning Control
- Fuel Leakage Detector
- Navigation / GPS
- Speedometer
- Infotainment Systems
- Interior Lighting
- In-Vehicle Information
- Vehicle Monitoring
- HVAC (Heating Ventilation Air Conditioning)
- Indication Display



Renewable Energy

- Communication System
- CSP & CPV
- DC Inverter
- Energy Storage System
- Heliostat
- Portable Energy
- PV Inverter
- PV Trackers
- Tidal Power Generation System
- Wind Turbine
- PDC (Power Distribution Control)



Hybrid Electric Vehicles

- Battery Module
- Charge Plug / Inlet
- Charging Station
- Controller Unit
- Electric Scooter
- Gear Shift Module
- Home Charge Platform
- Hoverboard
- Motor Module
- Throttle Controller
- Electric Wheelchair
- Electrical and Electronic Brake System
- Electrical and Electronic Speed Control



Medical Equipment

- Charges
- Electrical Beds
- Mobile Nursing Carts
- Non-invasive Devices
- Rehabilitation System
- Wheelchair Lift
- Wheelchair Stair Lift



Remote Video Response Center

- CCTV / Dome / IP Camera
- Encoders
- Junction Box
- Monitoring Station
- Remote Control
- Alarm System
- Automatic LPRS (License Plate Recognition System)



Test Equipment

- Air Flow Measurement
- Borescope
- Digital Microscopes
- Dosing Systems
- Earthquake Monitoring
- Floor Scales
- Gas Detectors
- Heavy-duty Scales
- Humidity Measurement
- Image Measurement
- In-Motion Weighing
- Laser Marking System
- Leak Detectors
- Light Measuring
- Precision Surveying
- Sound Measuring
- Timers / Timer Display
- Water Measurement
- Weigh Modules
- Weighing Devices
- Wet Area Weighing



Autonomous

- Central Computer
- GPS
- Inertial Measurement Unit
- Inertial Navigation Systems
- Lidar
- Radar Sensors
- Video Cameras



UAV

- Commercial Drone
- Consumer Drone
- Military Drone



Automotive Diagnostics

- Auto Crash Notification
- Remote Vehicle Diagnostics
- Vehicle Health Alert & Roadside Assistance
- Vehicle Tracking



Mobile Devices

- Altimeter
- Barcode Reader
- DRC (Drone Remote Controller)
- Gesture Measurement
- Portable Lamp



Automated Meter Reading

- Electricity Meter
- Gas Meter
- Sewage
- Telemetry
- Water Meter
- Alarm System
- Military Drone
- Vehicle Tracking



Lifts & Materials Handling

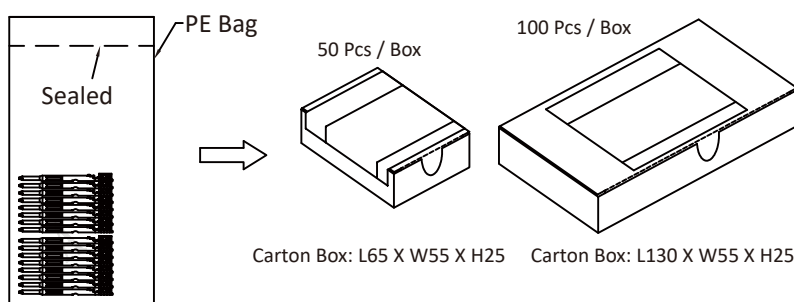
- Forklift
- Industrial Lift
- Materials Handling



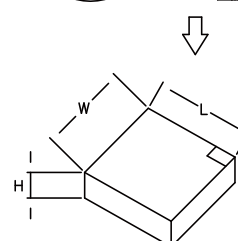
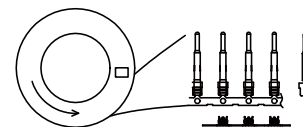
Transportation

- Vehicle Camera
- Dome Vehicle Camera
- Bus GPS
- Displayer
- Outdoor Speaker
- Vehicle Charger
- Fleet Management
- Digital Video Surveillance System

Packing for Crimp Contacts



5A (3K pcs), 10A (3K pcs), 20A (2K pcs) / Reel



Current Rating	5A	10A	20A
L	460	640	640
W	460	640	640
H	55	70	70

(Unit: mm)

Product Range Overview

Sub-Series Name	Mini A Size	Standard B Size	Middle C Size	Large D Size
Mating Style	Screw Thread & 2 Points Lock	Screw Thread & 2 Points Lock	Screw Thread & 2 Points Lock & 3 Points Lock	Screw Thread & 2 Points Lock
Plastic Version	✓	✓	✓	✓
Metal Version	✓	✓	-	✓
No. of Contacts	2 ~ 6	2 ~ 12	2 ~ 18	2 ~ 22
Plating of Contacts	Gold Plated	Gold Plated	Gold Plated Silver Plated	Gold Plated Silver Plated
Operating Voltage (AC/DC)	250V	250 ~ 600V	250 ~ 600V	250 ~ 600V
Nominal Current	2A ~ 5A	2A ~ 10A 5A + 2A 10A + 5A	2A ~ 20A 5A + 2A 10A + 2A 10A + 5A	2A ~ 20A 20A + 2A 20A + 5A
Operating Temperature	<ul style="list-style-type: none"> • Receptacle: -40°C ~ 105°C • Receptacle With Cable: -20°C ~ 85°C • Overmolded With Cable: -20°C ~ 85°C • Field Serviceable/Installable: -40°C ~ 105°C 			
Fasten Style of Nut	Front & Rear	Front & Rear	Front & Rear	Front & Rear
Receptacle	✓	✓	✓	✓
Receptacle With Cable	✓	✓	✓	-
Overmolded With Cable	✓	✓	✓	✓
Field Serviceable/Installable	✓	✓	✓	✓
Accessories	✓	✓	✓	✓
Applicable Wire Gauge	26 ~ 24AWG (0.14 ~ 0.25mm ²)	26 ~ 20AWG (0.14 ~ 0.50mm ²)	24 ~ 14AWG (0.25 ~ 2.50mm ²)	26 ~ 16AWG (0.14 ~ 1.50mm ²)
Mating Cycles (Pin Contact)	2,000 Cycles			
IP Rating	Receptacle, Receptacle With Cable: IP67 (Unmated) Overmolded With Cable, Field Serviceable/Installable: IP67 (Mated)			
Salt Spray (Connector, Mated)	500h	500h	500h	500h
UV Resistant	✓	✓	✓	✓
Flammability Rating	UL94V-0			
Vibration Resistant	Frequency Range 10 ~ 55Hz / Amplitude 1.52mm			
EMI Option	✓	✓	-	✓
ROHS 2.0 Compliant	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓
Certifications	-	UL1977	UL1977	UL1977

Product Range Overview

Sub-Series Name	Macro E Size	PLD	MAB	GBD
Mating Style	2 Points Lock	Push Lock	2 Points Lock	3 Points Lock
Plastic Version	✓	✓	✓	✓
Metal Version	-	-	-	-
No. of Contacts	31	2 ~ 4	4	8
Plating of Contacts	Gold Plated	Gold Plated	Gold Plated	Gold Plated
Operating Voltage (AC/DC)	200V	250V	250V	250V
Nominal Current	5A	5A	10A	10A + 5A
Operating Temperature	<ul style="list-style-type: none"> • Receptacle: -40°C ~ 105°C • Receptacle With Cable: -20°C ~ 85°C • Overmolded With Cable: -20°C ~ 85°C • Field Serviceable/Installable: -40°C ~ 105°C 			
Fasten Style of Nut	Front & Rear	Front	-	-
Receptacle	✓	✓	-	-
Receptacle With Cable	-	-	-	-
Overmolded With Cable	✓	-	✓	✓
Field Serviceable/Installable	-	✓	-	-
Accessories	✓	-	✓	✓
Applicable Wire Gauge	26AWG (0.14mm ²)	26 ~ 20AWG (0.14 ~ 0.50mm ²)	20AWG (0.50mm ²)	20~24AWG (0.50~0.25mm ²)
Mating Cycles (Pin Contact)	2,000 Cycles			
IP Rating	Receptacle, Receptacle With Cable: IP67 (Unmated) Overmolded With Cable, Field Serviceable/Installable: IP67 (Mated)			
Salt Spray (Connector, Mated)	500h			
UV Resistant	✓	✓	✓	✓
Flammability Rating	UL94V-0	UL94V-0	UL94V-0	UL94V-0
Vibration Resistant	Frequency Range 10~55Hz / Amplitude 1.52mm			
EMI Option	-	-	-	-
ROHS 2.0 Compliant	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓
Certifications	UL1977	-	-	-

Contact Configuration

	Mini Size (A)			Standard Size (B)							Middle Size (C)		
	2A (AU) (ASU)	5A (AD)	5A (ASD)	2A (BU) (BSU)	5A (BD)	5A (BSD)	10A (BB)	10A (BSB)	5A+2A (BDU)	10A+5A (BBD)	2A (CU)	5A (CD)	10A (CB)
2 Pin													
		R C F	R C F		R C F		R C F						
3 Pin													
		R C F	R C F		R C F		R C F						
4 Pin													
	R C F				R C F	R C F	R C F	R C F					R C F
5 Pin													
	R C F				R C F	R C F							R C F
6 Pin													
	R C F				R C F	R C F				R C F			R C F
7 Pin													
					R C F	R C F						R C F	
8 Pin													
					R C F	R C F			R C F			R C F	
9 Pin													
												R C F	
10 Pin													
				R C F								R C F	
12 Pin													
				R C F								R C F	
14 Pin													
												R C F	
18 Pin													
											R C F		
20 Pin													
21 Pin													
22 Pin													
31 Pin													

R: Receptacle C: Overmolded with Cable F: Field Serviceable/Installable

Contact Configuration

Middle Size (C)				Large Size (D)						Marco Size (E)	Other Size		
20A (CC)	5A+2A (CDU)	10A+5A (CBD)	10A+2A (CBU)	2A (DU)(DSU)	5A (DD)(DSD)	10A (DB)(DSB)	20A (DC)(DSC)	20A+2A (DCU)	20A+5A (DCD)	5A (ED)	10A+5A (GBD)	10A (MAB)	5A (PLD)
R C F							R C F						R C F
R C F							R C F						R C F
							R C F					R C F	R C F
							R C F						
							R C F					R C F	
		R C F	R C F					R C F					
							R C F						
	R C F								R C F				
	R C F												
					R C F								
				R C F									
				R C F									
				R C F									
									R C F				

R: Receptacle C: Overmolded with Cable F: Field Serviceable/Installable

No of Contacts	2		3	
Rated Voltage (AC/DC)	250V		250V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	MM		MM	
MM: Male Connector Male Contact FF: Female Connector Female Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02PMMMS-LC7001	-	AAD-03PMMMS-LC7001	-
	180° PCB Type	1AD-02PMMMP-LC7001	-	1AD-03PMMMP-LC7001	-

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02RMMMS-LC7001	-	AAD-03RMMMS-LC7001	-
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Receptacle, Square Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02PMMMS-LS7001	AASD-02PMMMS-LS7002	AAD-03PMMMS-LS7001	AASD-03PMMMS-LS7002
	180° PCB Type	1AD-02PMMMP-LS7001	1ASD-02PMMMP-LS7002	1AD-03PMMMP-LS7001	1ASD-03PMMMP-LS7002

Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)
⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02PMMM-LL7A ⑪	-	AAD-03PMMM-LL7A ⑪	-
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02BMMM-LL7A ⑪	-	AAD-03BMMM-LL7A ⑪	-
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ⑪ Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	AAD-02BMMMA-LL7001	-	AAD-03BMMMA-LL7001	-
	Crimp Type	AAD-02BMMMC-LL7 ⑪ P0*	-	AAD-03BMMMC-LL7 ⑪ P0*	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-AAD02ML-AADML-LA ⑪	-	AA-AAD03ML-AADML-LA ⑪	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-AAD02ML-AADFL-LA ⑪	-	AA-AAD03ML-AADFL-LA ⑪	-

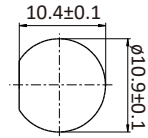
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-AAD02ML-AADFR-LA ⑪	-	AA-AAD03ML-AADFR-LA ⑪	-
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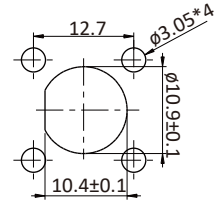
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths * Upon Request

4		5		6	
250V		250V		250V	
2A		2A		2A	
Plastic	Metal	Plastic	Metal	Plastic	Metal
MM		MM		MM	
AAU-04PMMS-LC7001	-	AAU-05PMMS-LC7001	-	AAU-06PMMS-LC7001	-
1AU-04PMMP-LC7001	-	1AU-05PMMP-LC7001	-	1AU-06PMMP-LC7001	-
AAU-04RMMS-LC7001	-	AAU-05RMMS-LC7001	-	AAU-06RMMS-LC7001	-
AAU-04PMMS-LS7001	AASU-04PMMS-LS7002	AAU-05PMMS-LS7001	AASU-05PMMS-LS7002	AAU-06PMMS-LS7001	AASU-06PMMS-LS7002
1AU-04PMMP-LS7001	-	1AU-05PMMP-LS7001	-	1AU-06PMMP-LS7001	-
AAU-04PMMM-LL7A	-	AAU-05PMMM-LL7A	-	AAU-06PMMM-LL7A	-
AAU-04BMMM-LL7A	-	AAU-05BMMM-LL7A	-	AAU-06BMMM-LL7A	-
AAU-04BMMMA-LL7001	-	AAU-05BMMMA-LL7001	-	AAU-06BMMMA-LL7001	-
AAU-04BMMC-LL7 PO*	-	AAU-05BMMC-LL7 PO*	-	AAU-06BMMC-LL7 PO*	-

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style



PCB 180°
(P) Receptacle



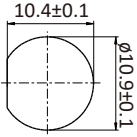
Solder
(S) Receptacle
(A) Field Serviceable/Installable



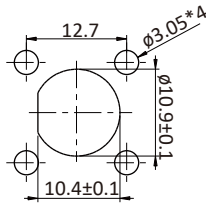
Crimp
(C) Field Serviceable/Installable

AA-AAU04ML-AAUML-LA	-	AA-AAU05ML-AAUML-LA	-	AA-AAU06ML-AAUML-LA	-
AA-AAU04ML-AAUFL-LA	-	AA-AAU05ML-AAUFL-LA	-	AA-AAU06ML-AAUFL-LA	-
AA-AAU04ML-AAUFR-LA	-	AA-AAU05ML-AAUFR-LA	-	AA-AAU06ML-AAUFR-LA	-

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts	2		3	
Rated Voltage (AC/DC)	250V		250V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	FF		FF	
FF: Female Connector Female Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02BFFM-LL7A 11	-	AAD-03BFFM-LL7A 11	-
--	--------------------	--------------------	---	--------------------	---

RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02BFFM-LR7A 11	-	AAD-03BFFM-LR7A 11	-
--	--------------------	--------------------	---	--------------------	---

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FL-AADFL-LA 11	-	AA-AAD03FL-AADFL-LA 11	-
--	--	------------------------	---	------------------------	---

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FR-AADFR-LA 11	-	AA-AAD03FR-AADFR-LA 11	-
--	--	------------------------	---	------------------------	---

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FL-AADFR-LA 11	-	AA-AAD03FL-AADFR-LA 11	-
--	--	------------------------	---	------------------------	---

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | 11 Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	NEW	AAD-02BFFA-LL7001	1ASD-02BFFA-LL7001*	AAD-03BFFA-LL7001	1ASD-03BFFA-LL7001*
	Crimp Type		AAD-02BFFC-LL7 11 P0*	-	AAD-03BFFC-LL7 11 P0*	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

4		5		6	
250V		250V		250V	
2A		2A		2A	
Plastic	Metal	Plastic	Metal	Plastic	Metal
FF		FF		FF	
AAU-04BFFM-LL7A	-	AAU-05BFFM-LL7A	-	AAU-06BFFM-LL7A	-
AAU-04BFFM-LR7A	-	AAU-05BFFM-LR7A	-	AAU-06BFFM-LR7A	-
AA-AAU04FL-AAU FL-LA	-	AA-AAU05FL-AAU FL-LA	-	AA-AAU06FL-AAU FL-LA	-
AA-AAU04FR-AAU FR-LA	-	AA-AAU05FR-AAU FR-LA	-	AA-AAU06FR-AAU FR-LA	-
AA-AAU04FL-AAU FR-LA	-	AA-AAU05FL-AAU FR-LA	-	AA-AAU06FL-AAU FR-LA	-
AAU-04BFFA-LL7001	1ASU-04BFFA-LL7001*	AAU-05BFFA-LL7001	1ASU-05BFFA-LL7001*	AAU-06BFFA-LL7001	1ASU-06BFFA-LL7001*
AAU-04BFFC-LL7 PO*	-	AAU-05BFFC-LL7 PO*	-	AAU-06BFFC-LL7 PO*	-

No of Contacts	2		3	
Rated Voltage (AC/DC)	250V		250V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	MM		MM	
MM : Male Connector Male Contact FF : Female Connector Female Contact				

Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02PMM5-SC7001	-	AAD-03PMM5-SC7001	-
	180° PCB Type	1AD-02PMM5-SC7001	-	1AD-03PMM5-SC7001	-

Receptacle, Square Flange, FRONT Fastened Nut, IP67 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02PMM5-SS7001	AASD-02PMM5-SS7002*	AAD-03PMM5-SS7001	AASD-03PMM5-SS7002*
	180° PCB Type	1AD-02PMM5-SS7001	-	1AD-03PMM5-SS7001	-

Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: min. 2.3mm ~ max 5.0mm

	Solder Type	AAD-02RMM5-SC7001	-	AAD-03RMM5-SC7001	-
	180° PCB Type	-	-	-	-

Receptacle With Cable, STRAIGHT, IP67 (Unmated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02PMMM-SL7A ①	-	AAD-03PMMM-SL7A ①	-

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02BMMM-SL7A ①*	-	AAD-03BMMM-SL7A ①*	-

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	AAD-02BMM5A-SL7001*	-	AAD-03BMM5A-SL7001*	-
	Crimp Type	NEW AAD-02BMM5C-SL7 ① P0*	-	AAD-03BMM5C-SL7 ① P0*	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-AAD02ML-AAD ML-SA ①*	-	AA-AAD03ML-AAD ML-SA ①*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-AAD02ML-AAD FL-SA ①*	-	AA-AAD03ML-AAD FL-SA ①*	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

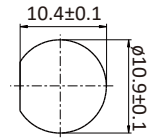
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-AAD02ML-AAD FR-SA ①*	-	AA-AAD03ML-AAD FR-SA ①*	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

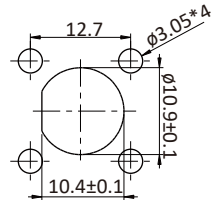
* Upon Request

4		5		6	
250V		250V		250V	
2A		2A		2A	
Plastic	Metal	Plastic	Metal	Plastic	Metal
MM		MM		MM	
AAU-04PMMS-SC7001	-	AAU-05PMMS-SC7001	-	AAU-06PMMS-SC7001	-
1AU-04PMMP-SC7001	-	1AU-05PMMP-SC7001	-	1AU-06PMMP-SC7001	-
AAU-04PMMS-SS7001	AASU-04PMMS-SS7002*	AAU-05PMMS-SS7001	AASU-05PMMS-SS7002*	AAU-06PMMS-SS7001	AASU-06PMMS-SS7002*
1AU-04PMMP-SS7001	-	1AU-05PMMP-SS7001	-	1AU-06PMMP-SS7001	-
AAU-04RMMS-SC7001	-	AAU-05RMMS-SC7001	-	AAU-06RMMS-SC7001	-
-	-	-	-	-	-
AAU-04PMMM-SL7A	-	AAU-05PMMM-SL7A	-	AAU-06PMMM-SL7A	-
AAU-04BMMM-SL7A	-	AAU-05BMMM-SL7A	-	AAU-06BMMM-SL7A	-
AAU-04BMMMA-SL7001*	-	AAU-05BMMMA-SL7001*	-	AAU-06BMMMA-SL7001*	-
AAU-04BMMC-SL7 PO*	-	AAU-05BMMC-SL7 PO*	-	AAU-06BMMC-SL7 PO*	-
AA-AAU04ML-AAUML-SA	-	AA-AAU05ML-AAUML-SA	-	AA-AAU06ML-AAUML-SA	-
AA-AAU04ML-AAUFL-SA	-	AA-AAU05ML-AAUFL-SA	-	AA-AAU06ML-AAUFL-SA	-
AA-AAU04ML-AAUFR-SA	-	AA-AAU05ML-AAUFR-SA	-	AA-AAU06ML-AAUFR-SA	-

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style



PCB 180°
(P) Receptacle



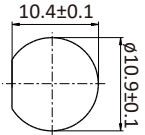
Solder
(S) Receptacle
(A) Field Serviceable/Installable



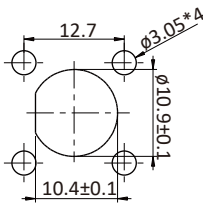
Crimp
(C) Field Serviceable/Installable

AA-AAU04ML-AAUML-SA	-	AA-AAU05ML-AAUML-SA	-	AA-AAU06ML-AAUML-SA	-
AA-AAU04ML-AAUFL-SA	-	AA-AAU05ML-AAUFL-SA	-	AA-AAU06ML-AAUFL-SA	-
AA-AAU04ML-AAUFR-SA	-	AA-AAU05ML-AAUFR-SA	-	AA-AAU06ML-AAUFR-SA	-

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts	2		3	
Rated Voltage (AC/DC)	250V		250V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	FF		FF	
MM : Male Connector Male Contact FF: Female Connector Female Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02BFFM-SL7A ¹¹	-	AAD-03BFFM-SL7A ¹¹	-
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	AAD-02BFFM-SR7A ¹¹	-	AAD-03BFFM-SR7A ¹¹	-
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FL-AADFL-SA ¹¹	-	AA-AAD03FL-AADFL-SA ¹¹	-
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RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FR-AADFR-SA ¹¹	-	AA-AAD03FR-AADFR-SA ¹¹	-
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STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-AAD02FL-AADFR-SA ¹¹	-	AA-AAD03FL-AADFR-SA ¹¹	-
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Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

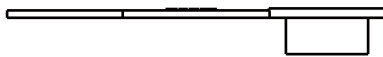
	Solder Type	AAD-02BFFA-SL7001	1ASD-02BFFA-SL7001*	AAD-03BFFA-SL7001	1ASD-03BFFA-SL7001*
	Crimp Type	NEW AAD-02BFFC-SL7 ¹¹ P0*	-	AAD-03BFFC-SL7 ¹¹ P0*	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

4		5		6	
250V		250V		250V	
2A		2A		2A	
Plastic	Metal	Plastic	Metal	Plastic	Metal
FF		FF		FF	
					
AAU-04BFFM-SL7A ¹¹	-	AAU-05BFFM-SL7A ¹¹	-	AAU-06BFFM-SL7A ¹¹	-
AAU-04BFFM-SR7A ¹¹	-	AAU-05BFFM-SR7A ¹¹	-	AAU-06BFFM-SR7A ¹¹	-
AA-AAU04FL-AAUFL-SA ¹¹	-	AA-AAU05FL-AAUFL-SA ¹¹	-	AA-AAU06FL-AAUFL-SA ¹¹	-
AA-AAU04FR-AAUFR-SA ¹¹	-	AA-AAU05FR-AAUFR-SA ¹¹	-	AA-AAU06FR-AAUFR-SA ¹¹	-
AA-AAU04FL-AAUFR-SA ¹¹	-	AA-AAU05FL-AAUFR-SA ¹¹	-	AA-AAU06FL-AAUFR-SA ¹¹	-
AAU-04BFFA-SL7001	1ASU-04BFFA-SL7001*	AAU-05BFFA-SL7001	1ASU-05BFFA-SL7001*	AAU-06BFFA-SL7001	1ASU-06BFFA-SL7001*
AAU-04BFFC-SL7 ¹¹ PO*	-	AAU-05BFFC-SL7 ¹¹ PO*	-	AAU-06BFFC-SL7 ¹¹ PO*	-

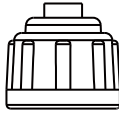
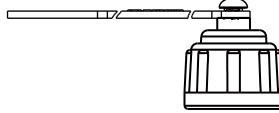
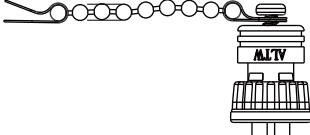
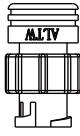
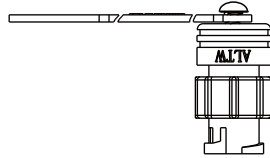
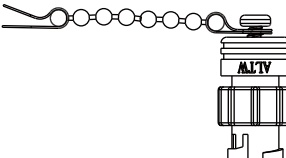
Dust Cap



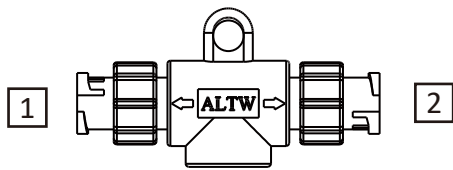
With Rubber Lead

Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Mini A Size	Receptacle	Cover	Male	With Rubber Lead	CAP-DAAMDPC1

Waterproof Cap

For Mating with Male Connector				None	With Rubber Lead	With Chain	
	For Mating with Female Connector				None	With Rubber Lead	With Chain
		7 2 Contacts (1) 4 ~ 6 Contacts (2) 3 Contacts (3)					
Size		Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number	
Mini A Size	Receptacle	Screw Thread	Male	With Rubber Lead	CAP-WAAMSPC1		
		2 Points Lock	Male	With Rubber Lead	CAP-WAAMLPC7		
		2 Points Lock	Female	With Rubber Lead	CAP-WAAFLPC1		
		2 Points Lock	Male	With Chain	CAP-WAAMLPB7		
		2 Points Lock	Female	With Chain	CAP-WAAFLPB1		
	Overmolded With Cable Field Serviceable/Installable	Screw Thread	Male	None	CAP-WAAMSMA1		
		2 Points Lock	Male	None	CAP-WAAMLMA7		
		2 Points Lock	Female	None	CAP-WAAFLMA1		

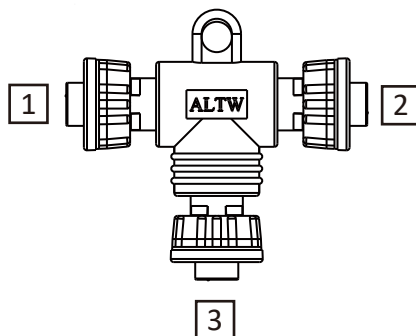
I Adaptor



5 For Connector 1
 6 For Connector 2
 Connector Gender / Contact Gender
 Male / Male (M)
 Female / Female (F)

Size	Nominal Current	No. of Contacts 3	Mating Style	
			Screw Thread (7/16"-28 UNS)	2 Points Lock
Mini A Size	2A	04, 05, 06	AA-00 3 3-0 5 6-IS001	AA-00 3 3-0 5 6-IL001
	5A	02, 03		

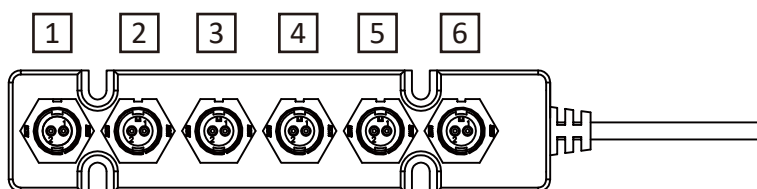
T Adaptor



- 5 For Connector 1
 - 6 For Connector 2
 - 7 For Connector 3
- Connector Gender / Contact Gender
Male / Male (M)
Female / Female (F)

Size	Nominal Current	No. of Contacts ²	Mating Style	
			Screw Thread (7/16"-28 UNS)	2 Points Lock
Mini A Size	2A	04, 05, 06	AA-2 2 2-5 6 7-TS001	AA-2 2 2-5 6 7-TL001
	5A	02, 03		

Distribution Box

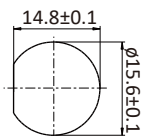


- 8 For Connector 1
 - 9 For Connector 2
 - 10 For Connector 3
 - 11 For Connector 4
 - 12 For Connector 5
 - 13 For Connector 6
- Connector Gender / Contact Gender
Male / Male (M)
Female / Female (F)
Male / Female (H)
Female / Male (B)

Size	Nominal Current	No. of Contacts ²	Mating Style	
			Screw Thread (7/16"-28 UNS)	2 Points Lock
Mini A Size	2A	04, 05, 06	A-2 2 2 2 2 2-8 9 10 11 12 13-SAXX	A-2 2 2 2 2 2-8 9 10 11 12 13-LAXX
	5A	02, 03		

* XX: Choose the cable length: (01)1M ~ (99)99M / PVC UL2464 Cable

Panel Cut Out Assemble Style



Circular Flange (D Cut)



PCB 180°
(P) Receptacle



PCB 90°
(R) Receptacle



Solder
(S) Receptacle
(A) Field Serviceable/Installable



Crimp
(C) Field Serviceable/Installable

No of Contacts	2			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	5A		10A	
Plastic / Metal	Plastic			
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-02PMMS-LC7001	ABD-02PMFS-LC7001	ABB-02PMMS-LC7001	ABB-02PMFS-LC7001
	180° PCB Type	1BD-02PMMP-LC7001	1BD-02PMFP-LC7001	1BB-02PMMP-LC7001	1BB-02PMFP-LC7001
	90° PCB Type	ABD02PMMR-LC7001	-	-	-

Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-02RMMS-LC7001	ABD-02RMFS-LC7001	ABB-02RMMS-LC7001	ABB-02RMFS-LC7001
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Receptacle With Cable, STRAIGHT, IP67 (Unmated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-02PMMM-LL7A①	ABD-02PMFM-LL7A①	ABB-02PMMM-LL7A①	ABB-02PMFM-LL7A①
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-02BMMM-LL7A①	ABD-02BMFM-LL7A①	ABB-02BMMM-LL7A①	ABB-02BMFM-LL7A①*
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Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ABD-02BMMMA-LL7001	ABD-02BMFA-LL7001	ABB-02BMMMA-LL7001	ABB-02BMFA-LL7001*
	Crimp Type	ABD-02BMMMC-LL7①PO	ABD-02BMFC-LL7①PO	ABB-02BMMMC-LL7①PO	ABB-02BMFC-LL7①PO*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ABD02ML-ABDML-LA①	-	AA-ABB02ML-ABBML-LA①	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ABD02ML-ABDFL-LA①	-	AA-ABB02ML-ABBFL-LA①	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ABD02HL-ABDHL-LA①	-	AA-ABB02HL-ABBHL-LA①*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ABD02HL-ABDBL-LA①	-	AA-ABB02HL-ABBBL-LA①*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ABD02ML-ABDFR-LA①	-	AA-ABB02ML-ABBFR-LA①	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ABD02HL-ABDBR-LA①	-	AA-ABB02HL-ABBFR-LA①*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

B.C.E. S.r.l.

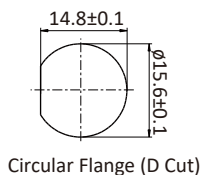
Via Regina Pacis, 54/c - I-41049 Sassuolo (MO)
Tel.: (+39) 0536 811616 - Fax.: (+39) 0536 811500

e-mail: bce@bce.it - Website: www.bce.it

3				4			
250 ~ 600V				250 ~ 600V			
5A		10A		5A		10A	
Plastic				Plastic			
MM	MF	MM	MF	MM	MF	MM	MF
ABD-03PMMS-LC7001	ABD-03PMFS-LC7001	ABB-03PMMS-LC7001	ABB-03PMFS-LC7001	ABD-04PMMS-LC7001	ABD-04PMFS-LC7001	ABB-04PMMS-LC7001	ABB-04PMFS-LC7001
1BD-03PMMP-LC7001	1BD-03PMFP-LC7001	1BB-03PMMP-LC7001	1BB-03PMFP-LC7001	1BD-04PMMP-LC7001	1BD-04PMFP-LC7001	1BB-04PMMP-LC7001	1BB-04PMFP-LC7001
ABD03PMMR-LC7001	-	-	-	ABD04PMMR-LC7001	-	-	-
ABD-03RMMS-LC7001	ABD-03RMFS-LC7001	ABB-03RMMS-LC7001	ABB-03RMFS-LC7001	ABD-04RMMS-LC7001	ABD-04RMFS-LC7001	ABB-04RMMS-LC7001	ABB-04RMFS-LC7001
ABD-03PMMM-LL7A ¹¹	ABD-03PMFM-LL7A ¹¹	ABB-03PMMM-LL7A ¹¹	ABB-03PMFM-LL7A ¹¹	ABD-04PMMM-LL7A ¹¹	ABD-04PMFM-LL7A ¹¹	ABB-04PMMM-LL7A ¹¹	ABB-04PMFM-LL7A ¹¹
ABD-03BMMM-LL7A ¹¹	ABD-03BMFM-LL7A ¹¹	ABB-03BMMM-LL7A ¹¹	ABB-03BMFM-LL7A ¹¹ *	ABD-04BMMM-LL7A ¹¹	ABD-04BMFM-LL7A ¹¹	ABB-04BMMM-LL7A ¹¹	ABB-04BMFM-LL7A ¹¹ *
ABD-03BMMA-LL7001	ABD-03BMFA-LL7001	ABB-03BMMA-LL7001	ABB-03BMFA-LL7001*	ABD-04BMMA-LL7001	ABD-04BMFA-LL7001	ABB-04BMMA-LL7001	ABB-04BMFA-LL7001*
ABD-03BMCC-LL7 ¹¹ PO	ABD-03BMFC-LL7 ¹¹ PO	ABB-03BMCC-LL7 ¹¹ PO	ABB-03BMFC-LL7 ¹¹ PO*	ABD-04BMCC-LL7 ¹¹ PO	ABD-04BMFC-LL7 ¹¹ PO	ABB-04BMCC-LL7 ¹¹ PO	ABB-04BMFC-LL7 ¹¹ PO*

AA-ABD03ML-ABDML-LA ¹¹	-	AA-ABB03ML-ABBML-LA ¹¹	-	AA-ABD04ML-ABDML-LA ¹¹	-	AA-ABB04ML-ABBML-LA ¹¹	-
AA-ABD03ML-ABDFL-LA ¹¹	-	AA-ABB03ML-ABBFL-LA ¹¹	-	AA-ABD04ML-ABDFL-LA ¹¹	-	AA-ABB04ML-ABBFL-LA ¹¹	-
-	AA-ABD03HL-ABDHL-LA ¹¹	-	AA-ABB03HL-ABBHL-LA ¹¹ *	-	AA-ABD04HL-ABDHL-LA ¹¹	-	AA-ABB04HL-ABBHL-LA ¹¹ *
-	AA-ABD03HL-ABDBL-LA ¹¹	-	AA-ABB03HL-ABBBL-LA ¹¹ *	-	AA-ABD04HL-ABDBL-LA ¹¹	-	AA-ABB04HL-ABBBL-LA ¹¹ *
AA-ABD03ML-ABDFR-LA ¹¹	-	AA-ABB03ML-ABBFR-LA ¹¹	-	AA-ABD04ML-ABDFR-LA ¹¹	-	AA-ABB04ML-ABBFR-LA ¹¹	-
-	AA-ABD03HL-ABDBR-LA ¹¹	-	AA-ABB03HL-ABBRR-LA ¹¹ *	-	AA-ABD04HL-ABDBR-LA ¹¹	-	AA-ABB04HL-ABBRR-LA ¹¹ *

Panel Cut Out Assemble Style



PCB 180°
(P) Receptacle



PCB 90°
(R) Receptacle



Solder
(S) Receptacle
(A) Field Serviceable/Installable



Crimp
(C) Field Serviceable/Installable

No of Contacts	5		6	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)
 Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-05PMMS-LC7001	ABD-05PMFS-LC7001	ABD-06PMMS-LC7001	ABD-06PMFS-LC7001
	180° PCB Type	1BD-05PMMP-LC7001	1BD-05PMFP-LC7001	1BD-06PMMP-LC7001	1BD-06PMFP-LC7001
	90° PCB Type	ABD05PMMR-LC7001	-	ABD06PMMR-LC7001	-

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
 Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-05RMMS-LC7001	ABD-05RMFS-LC7001	ABD-06RMMS-LC7001	ABD-06RMFS-LC7001
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Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)
 ① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05PMMM-LL7A ^①	ABD-05PMFM-LL7A ^①	ABD-06PMMM-LL7A ^①	ABD-06PMFM-LL7A ^①
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
 ① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05BMMM-LL7A ^①	ABD-05BMFM-LL7A ^①	ABD-026BMMM-LL7A ^①	ABD-06BMFM-LL7A ^①
--	--------------------	------------------------------	------------------------------	-------------------------------	------------------------------

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
 Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ABD-05BMMMA-LL7001	ABD-05BMFA-LL7001	ABD-06BMMMA-LL7001	ABD-06BMFA-LL7001
	Crimp Type	ABD-05BMMMC-LL7 ^① P0	ABD-05BMFC-LL7 ^① P0	ABD-06BMMMC-LL7 ^① P0	ABD-06BMFC-LL7 ^① P0


























STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
 ① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

























	End1: Male Conn Male Contact	AA-ABD05ML-ABDML-LA ^①	-	AA-ABD06ML-ABDML-LA ^①	-
	End2: Male Conn Male Contact	AA-ABD05ML-ABDFL-LA ^①	-	AA-ABD06ML-ABDFL-LA ^①	-
	End1: Male Conn Female Contact	-	AA-ABD05HL-ABDHL-LA ^①	-	AA-ABD06HL-ABDHL-LA ^①
	End2: Female Conn Female Contact	-	AA-ABD05HL-ABDBL-LA ^①	-	AA-ABD06HL-ABDBL-LA ^①

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
 ① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

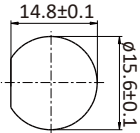
	End1: Male Conn Male Contact	AA-ABD05ML-ABDFR-LA ^①	-	AA-ABD06ML-ABDFR-LA ^①	-
	End2: Female Conn Female Contact	-	AA-ABD05HL-ABDBR-LA ^①	-	AA-ABD06HL-ABDBR-LA ^①

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

6	7		8			10	12
250 ~ 600V	250 ~ 600V		250 ~ 600V			250 ~ 600V	250 ~ 600V
10A+5A	5A		5A		5A+2A	2A	2A
Plastic	Plastic		Plastic			Plastic	Plastic
MF	MM	MF	MM	MF	MF	MM	MM
							
ABBD-06PMFS-LC7001	ABD-07PMMS-LC7001	ABD-07PMFS-LC7001	ABD-08PMMS-LC7001	ABD-08PMFS-LC7001	ABDU-08PMFS-LC7001	ABU-10PMMS-LC7001	ABU-12PMMS-LC7001
1BBD-06PMFP-LC7001	1BD-07PMMP-LC7001	1BD-07PMFP-LC7001	1BD-08PMMP-LC7001	1BD-08PMFP-LC7001	1BDU-08PMFP-LC7001	1BU-10PMMP-LC7001	1BU-12PMMP-LC7001
-	ABD07PMMR-LC7001	-	ABD08PMMR-LC7001	-	-	-	-
ABBD-06RMFS-LC7001	ABD-07RMMS-LC7001	ABD-07RMFS-LC7001	ABD-08RMMS-LC7001	ABD-08RMFS-LC7001	ABDU-08RMFS-LC7001	ABU-10RMMS-LC7001	ABU-12RMMS-LC7001
ABBD-06PMFM-LL7A 	ABD-07PMFM-LL7A 	ABD-07PMFM-LL7A 	ABD-08PMFM-LL7A 	ABD-08PMFM-LL7A 	ABDU-08PMFM-LL7A 	ABU-10PMFM-LL7A 	ABU-12PMFM-LL7A 
ABBD-06BMFM-LL7A 	ABD-07BMFM-LL7A 	ABD-07BMFM-LL7A 	ABD-08BMFM-LL7A 	ABD-08BMFM-LL7A 	ABDU-08BMFM-LL7A 	ABU-10BMFM-LL7A 	ABU-12BMFM-LL7A 
ABBD-06BMFA-LL7001	ABD-07BMMA-LL7001	ABD-07BMFA-LL7001	ABD-08BMMA-LL7001	ABD-08BMFA-LL7001	ABDU-08BMFA-LL7001*	-	-
-	ABD-07BMFC-LL7  PO	ABD-07BMFC-LL7  PO	ABD-08BMFC-LL7  PO	ABD-08BMFC-LL7  PO	-	-	-

-	AA-ABD07ML-ABDML-LA 	-	AA-ABD08ML-ABDML-LA 	-	-	AA-ABU10ML-ABUML-LA 	AA-ABU12ML-ABUML-LA 
-	AA-ABD07ML-ABDFL-LA 	-	AA-ABD08ML-ABDFL-LA 	-	-	AA-ABU10ML-ABUFL-LA 	AA-ABU12ML-ABUFL-LA 
AA-ABBD06HL-ABBDHL-LA 	-	AA-ABD07HL-ABDHL-LA 	-	AA-ABD08HL-ABDHL-LA 	AA-ABDU08HL-ABDUHL-LA 	-	-
AA-ABBD06HL-ABBDL-LA 	-	AA-ABD07HL-ABDBL-LA 	-	AA-ABD08HL-ABDBL-LA 	AA-ABDU08HL-ABDUBL-LA 	-	-
-	AA-ABD07ML-ABDFR-LA 	-	AA-ABD08ML-ABDFR-LA 	-	-	AA-ABU10ML-ABUFR-LA 	AA-ABU12ML-ABUFR-LA 
AA-ABBD06HL-ABDBR-LA 	-	AA-ABD07HL-ABDBR-LA 	-	AA-ABD08HL-ABDBR-LA 	AA-ABDU08HL-ABDUBR-LA 	-	-

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

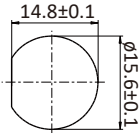
No of Contacts	2				
Rated Voltage (AC/DC)	250 ~ 600V				
Nominal Current	5A		10A		
Plastic / Metal	Plastic				
Pin Assignment	FF	FM	FF	FM	
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ABD-02BFFM-LL7A①	ABD-02BFMM-LL7A①	ABB-02BFFM-LL7A①	ABB-02BFMM-LL7A①
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ABD-02BFFM-LR7A①	ABD-02BFMM-LR7A①	ABB-02BFFM-LR7A①	ABB-02BFMM-LR7A①
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact	AA-ABD02FL-ABDFL-LA①	-	AA-ABB02FL-ABBFL-LA①	-
	End2: Female Conn Female Contact	-	AA-ABD02BL-ABDBL-LA①	-	AA-ABB02BL-ABBBL-LA①
	End1: Female Conn Male Contact	-	AA-ABD02BR-ABDBR-LA①	-	AA-ABB02BR-ABBBR-LA①
	End2: Female Conn Male Contact	-	-	-	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact	AA-ABD02FR-ABDFR-LA①	-	AA-ABB02FR-ABBFR-LA①	-
	End2: Female Conn Female Contact	-	AA-ABD02BR-ABDBR-LA①	-	AA-ABB02BR-ABBBR-LA①
	End1: Female Conn Male Contact	-	-	-	-
	End2: Female Conn Male Contact	-	-	-	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact	AA-ABD02FL-ABDFR-LA①	-	AA-ABB02FL-ABBFR-LA①	-
	End2: Female Conn Female Contact	-	AA-ABD02BR-ABDBR-LA①	-	AA-ABB02BR-ABBBR-LA①
	End1: Female Conn Male Contact	-	-	-	-
	End2: Female Conn Male Contact	-	-	-	-
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm					
	Solder Type	ABD-02BFFA-LL7001	ABD-02BFMA-LL7001	ABB-02BFFA-LL7001	ABB-02BFMA-LL7001
	Crimp Type	ABD-02BFFC-LL7① P0	ABD-02BFMC-LL7① P0	ABB-02BFFC-LL7① P0	ABB-02BFMC-LL7① P0

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

3				4			
250 ~ 600V				250 ~ 600V			
5A		10A		5A		10A	
Plastic				Plastic			
FF	FM	FF	FM	FF	FM	FF	FM
ABD-03BFFM-LL7A 11	ABD-03BFMM-LL7A 11	ABB-03BFFM-LL7A 11	ABB-03BFMM-LL7A 11	ABD-04BFFM-LL7A 11	ABD-04BFMM-LL7A 11	ABB-04BFFM-LL7A 11	ABB-04BFMM-LL7A 11
ABD-03BFFM-LR7A 11	ABD-03BFMM-LR7A 11	ABB-03BFFM-LR7A 11	ABB-03BFMM-LR7A 11	ABD-04BFFM-LR7A 11	ABD-04BFMM-LR7A 11	ABB-04BFFM-LR7A 11	ABB-04BFMM-LR7A 11
AA-ABD03FL-ABDFL-LA 11	-	AA-ABB03FL-ABBFL-LA 11	-	AA-ABD04FL-ABDFL-LA 11	-	AA-ABB04FL-ABBFL-LA 11	-
-	AA-ABD03BL-ABDBL-LA 11	-	AA-ABB03BL-ABBBL-LA 11	-	AA-ABD04BL-ABDBL-LA 11	-	AA-ABB04BL-ABBBL-LA 11
AA-ABD03FR-ABDFR-LA 11	-	AA-ABB03FR-ABBFR-LA 11	-	AA-ABD04FR-ABDFR-LA 11	-	AA-ABB04FR-ABBFR-LA 11	-
-	AA-ABD03BR-ABDBR-LA 11	-	AA-ABB03BR-ABBBR-LA 11	-	AA-ABD04BR-ABDBR-LA 11	-	AA-ABB04BR-ABBBR-LA 11
AA-ABD03FL-ABDFR-LA 11	-	AA-ABB03FL-ABBFR-LA 11	-	AA-ABD04FL-ABDFR-LA 11	-	AA-ABB04FL-ABBFR-LA 11	-
-	AA-ABD03BR-ABDBR-LA 11	-	AA-ABB03BL-ABBBL-LA 11	-	AA-ABD04BR-ABDBR-LA 11	-	AA-ABB04BL-ABBBL-LA 11
ABD-03BFFA-LL7001	ABD-03BFMA-LL7001	ABB-03BFFA-LL7001	ABB-03BFMA-LL7001	ABD-04BFFA-LL7001	ABD-04BFMA-LL7001	ABB-04BFFA-LL7001	ABB-04BFMA-LL7001
ABD-03BFFC-LL7 11 P0	ABD-03BFMC-LL7 11 P0	ABB-03BFFC-LL7 11 P0	ABB-03BFMC-LL7 11 P0	ABD-04BFFC-LL7 11 P0	ABD-04BFMC-LL7 11 P0	ABB-04BFFC-LL7 11 P0	ABB-04BFMC-LL7 11 P0

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts	5		6		
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V		
Nominal Current	5A		5A	10A+5A	
Plastic / Metal	Plastic		Plastic		
Pin Assignment	FF	FM	FF	FM	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact					

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05BFFM-LL7A ¹¹	ABD-05BFMM-LL7A ¹¹	ABD-06BFFM-LL7A ¹¹	ABD-06BFMM-LL7A ¹¹	ABBD-06BFMM-LL7A ¹¹
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05BFFM-LR7A ¹¹	ABD-05BFMM-LR7A ¹¹	ABD-06BFFM-LR7A ¹¹	ABD-06BFMM-LR7A ¹¹	ABBD-06BFMM-LR7A ¹¹
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABD05FL-ABDFL-LA ¹¹	-	AA-ABD06FL-ABDFL-LA ¹¹	-	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ABD05BL-ABDBL-LA ¹¹	-	AA-ABD06BL-ABDBL-LA ¹¹	AA-ABBD06BL-ABDBL-LA ¹¹

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABD05FR-ABDFR-LA ¹¹	-	AA-ABD06FR-ABDFR-LA ¹¹	-	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ABD05BR-ABDBR-LA ¹¹	-	AA-ABD06BR-ABDBR-LA ¹¹	AA-ABBD06BR-ABDBR-LA ¹¹

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABD05FL-ABDFR-LA ¹¹	-	AA-ABD06FL-ABDFR-LA ¹¹	-	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ABD05BR-ABDBR-LA ¹¹	-	AA-ABD06BR-ABDBR-LA ¹¹	AA-ABBD06BL-ABDBR-LA ¹¹

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | 11 Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

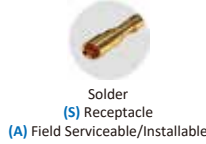
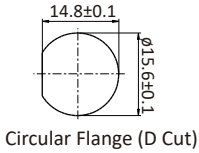
	Solder Type	ABD-05BFFA-LL7001	ABD-05BFMA-LL7001	ABD-06BFFA-LL7001	ABD-06BFMA-LL7001	ABBD-06BFMA-LL7001
	Crimp Type	ABD-05BFFC-LL7 ¹¹ PO	ABD-05BFMC-LL7 ¹¹ PO	ABD-06BFFC-LL7 ¹¹ PO	ABD-06BFMC-LL7 ¹¹ PO	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

7		8			10	12
250 ~ 600V		250 ~ 600V			250 ~ 600V	250 ~ 600V
5A		5A	5A+2A		2A	2A
Plastic		Plastic			Plastic	Plastic
FF	FM	FF	FM	FM	FF	FF
ABD-07BFFM-LL7A ¹¹	ABD-07BFMM-LL7A ¹¹	ABD-08BFFM-LL7A ¹¹	ABD-08BFMM-LL7A ¹¹	ABDU-08BFMM-LL7A ¹¹	ABU-10BFFM-LL7A ¹¹	ABU-12BFFM-LL7A ¹¹
ABD-07BFFM-LR7A ¹¹	ABD-07BFMM-LR7A ¹¹	ABD-08BFFM-LR7A ¹¹	ABD-08BFMM-LR7A ¹¹	ABDU-08BFMM-LR7A ¹¹	ABU-10BFFM-LR7A ¹¹	ABU-12BFFM-LR7A ¹¹
AA-ABD07FL-ABDFL-LA ¹¹	-	AA-ABD08FL-ABDFL-LA ¹¹	-	-	AA-ABU10FL-ABUFL-LA ¹¹	AA-ABU12FL-ABUFL-LA ¹¹
-	AA-ABD07BL-ABDBL-LA ¹¹	-	AA-ABD08BL-ABDBL-LA ¹¹	AA-ABDU08BL-ABDUBL-LA ¹¹	-	-
AA-ABD07FR-ABDFR-LA ¹¹	-	AA-ABD08FR-ABDFR-LA ¹¹	-	-	AA-ABU10FR-ABUFR-LA ¹¹	AA-ABU12FR-ABUFR-LA ¹¹
-	AA-ABD07BR-ABDBR-LA ¹¹	-	AA-ABD08BR-ABDBR-LA ¹¹	AA-ABDU08BR-ABDUBR-LA ¹¹	-	-
AA-ABD07FL-ABDFR-LA ¹¹	-	AA-ABD08FL-ABDFR-LA ¹¹	-	-	AA-ABU10FL-ABUFR-LA ¹¹	AA-ABU12FL-ABUFR-LA ¹¹
-	AA-ABD07BR-ABDBR-LA ¹¹	-	AA-ABD08BR-ABDBR-LA ¹¹	AA-ABDU08BL-ABDUBR-LA ¹¹	-	-
ABD-07BFFA-LL7001	ABD-07BFMA-LL7001	ABD-08BFFA-LL7001	ABD-08BFMA-LL7001	ABDU-08BFMA-LL7001	ABU-10BFFA-LL7001	ABU-12BFFA-LL7001
ABD-07BFFC-LL7 ¹¹ PO	ABD-07BFMC-LL7 ¹¹ PO	ABD-08BFFC-LL7 ¹¹ PO	ABD-08BFMC-LL7 ¹¹ PO	-	ABU-10BFFC-LL7 ¹¹ PO*	ABU-12BFFC-LL7 ¹¹ PO*

Panel Cut Out Assemble Style



No of Contacts	2			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	5A		10A	
Plastic / Metal	Plastic			
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-02PMM5-SC7001	ABD-02PMFS-SC7001	ABB-02PMM5-SC7001	ABB-02PMFS-SC7001
	180° PCB Type	1BD-02PMMP-SC7001	1BD-02PMFP-SC7001	1BB-02PMMP-SC7001	1BB-02PMFP-SC7001
	90° PCB Type	ABD-02PMMR-SC7001	-	-	-

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-02RMM5-SC7001	ABD-02RMFS-SC7001	ABB-02RMM5-SC7001	ABB-02RMFS-SC7001
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Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)
⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-02PMMM-SL7A ^⑪	ABD-02PMFM-SL7A ^⑪	ABB-02PMMM-SL7A ^⑪	ABB-02PMFM-SL7A ^⑪
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
⑪ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-02BMMM-SL7A ^{⑪*}	ABD-02BMFM-SL7A ^{⑪*}	ABB-02BMMM-SL7A ^{⑪*}	ABB-02BMFM-SL7A ^{⑪*}
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ⑪ Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ABD-02BMAA-SL7001*	ABD-02BMFA-SL7001*	ABB-02BMAA-SL7001*	ABB-02BMFA-SL7001*
	Crimp Type	ABD-02BMMC-SL7 ^⑪ P0*	ABD-02BMFC-SL7 ^⑪ P0*	ABB-02BMMC-SL7 ^⑪ P0*	ABB-02BMFC-SL7 ^⑪ P0*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ABD02ML-ABDML-SA ^{⑪*}	-	AA-ABB02ML-ABBML-SA ^{⑪*}	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ABD02ML-ABDFL-SA ^{⑪*}	-	AA-ABB02ML-ABBFL-SA ^⑪	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ABD02HL-ABDHL-SA ^{⑪*}	-	AA-ABB02HL-ABBHL-SA ^{⑪*}
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ABD02HL-ABDBL-SA ^{⑪*}	-	AA-ABB02HL-ABBBL-SA ^{⑪*}

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ABD02ML-ABDFR-SA ^{⑪*}	-	AA-ABB02ML-ABBFR-SA ^{⑪*}	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ABD02HL-ABDBR-SA ^{⑪*}	-	AA-ABB02HL-ABBBR-SA ^{⑪*}

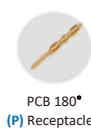
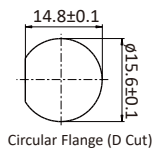
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

3				4			
250 ~ 600V				250 ~ 600V			
5A		10A		5A		10A	
Plastic				Plastic			
MM	MF	MM	MF	MM	MF	MM	MF
ABD-03PMMS-SC7001	ABD-03PMFS-SC7001	ABB-03PMMS-SC7001	ABB-03PMFS-SC7001	ABD-04PMMS-SC7001	ABD-04PMFS-SC7001	ABB-04PMMS-SC7001	ABB-04PMFS-SC7001
1BD-03PMMP-SC7001	1BD-03PMFP-SC7001	1BB-03PMMP-SC7001	1BB-03PMFP-SC7001	1BD-04PMMP-SC7001	1BD-04PMFP-SC7001	1BB-04PMMP-SC7001	1BB-04PMFP-SC7001
ABD-03PMMR-SC7001	-	-	-	ABD-04PMMR-SC7001	-	-	-
ABD-03RMMS-SC7001	ABD-03RMFS-SC7001	ABB-03RMMS-SC7001	ABB-03RMFS-SC7001	ABD-04RMMS-SC7001	ABD-04RMFS-SC7001	ABB-04RMMS-SC7001	ABB-04RMFS-SC7001
ABD-03PMMM-SL7A ¹¹	ABD-03PMFM-SL7A ¹¹	ABB-03PMMM-SL7A ¹¹	ABB-03PMFM-SL7A ¹¹	ABD-04PMMM-SL7A ¹¹	ABD-04PMFM-SL7A ¹¹	ABB-04PMMM-SL7A ¹¹	ABB-04PMFM-SL7A ¹¹
ABD-03BMMM-SL7A ¹¹ *	ABD-03BMFM-SL7A ¹¹ *	ABB-03BMMM-SL7A ¹¹ *	ABB-03BMFM-SL7A ¹¹ *	ABD-04BMMM-SL7A ¹¹ *	ABD-04BMFM-SL7A ¹¹ *	ABB-04BMMM-SL7A ¹¹ *	ABB-04BMFM-SL7A ¹¹ *
ABD-03BMMA-SL7001*	ABD-03BMFA-SL7001*	ABB-03BMMA-SL7001*	ABB-03BMFA-SL7001*	ABD-04BMMA-SL7001*	ABD-04BMFA-SL7001*	ABB-04BMMA-SL7001*	ABB-04BMFA-SL7001*
ABD-03BMMC-SL7 ¹¹ P0*	ABD-03BMFC-SL7 ¹¹ P0*	ABB-03BMMC-SL7 ¹¹ P0*	ABB-03BMFC-SL7 ¹¹ P0*	ABD-04BMMC-SL7 ¹¹ P0*	ABD-04BMFC-SL7 ¹¹ P0*	ABB-04BMMC-SL7 ¹¹ P0*	ABB-04BMFC-SL7 ¹¹ P0*

AA-ABD03ML-ABDML-SA ¹¹ *	-	AA-ABB03ML-ABBML-SA ¹¹ *	-	AA-ABD04ML-ABDML-SA ¹¹ *	-	AA-ABB04ML-ABBML-SA ¹¹ *	-
AA-ABD03ML-ABDFL-SA ¹¹ *	-	AA-ABB03ML-ABBFL-SA ¹¹	-	AA-ABD04ML-ABDFL-SA ¹¹ *	-	AA-ABB04ML-ABBFL-SA ¹¹	-
-	AA-ABD03HL-ABDHL-SA ¹¹ *	-	AA-ABB03HL-ABBHL-SA ¹¹ *	-	AA-ABD04HL-ABDHL-SA ¹¹ *	-	AA-ABB04HL-ABBHL-SA ¹¹ *
-	AA-ABD03HL-ABDBL-SA ¹¹ *	-	AA-ABB03HL-ABBBL-SA ¹¹ *	-	AA-ABD04HL-ABDBL-SA ¹¹ *	-	AA-ABB04HL-ABBBL-SA ¹¹ *
AA-ABD03ML-ABDFR-SA ¹¹ *	-	AA-ABB03ML-ABBFR-SA ¹¹ *	-	AA-ABD04ML-ABDFR-SA ¹¹ *	-	AA-ABB04ML-ABBFR-SA ¹¹ *	-
-	AA-ABD03HL-ABDBR-SA ¹¹ *	-	AA-ABB03HL-ABBRR-SA ¹¹ *	-	AA-ABD04HL-ABDBR-SA ¹¹ *	-	AA-ABB04HL-ABBRR-SA ¹¹ *

Panel Cut Out Assemble Style



No of Contacts	5		6		
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V		
Nominal Current	5A		5A	10A+5A	
Plastic / Metal	Plastic		Plastic		
Pin Assignment	MM	MF	MM	MF	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-05P MM S-SC7001	ABD-05P M F S-SC7001	ABD-06P MM S-SC7001	ABD-06P M F S-SC7001	ABBD-06P M F S-SC7001
	180° PCB Type	1BD-05P MM P-SC7001	1BD-05P M F P-SC7001	1BD-06P MM P-SC7001	1BD-06P M F P-SC7001	1BBD-06P M F P-SC7001
	90° PCB Type	ABD-05P MM R-SC7001	-	ABD-06P MM R-SC7001	-	-

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.0mm / 4.0mm, (without cap) max. 3.5mm / 5.0mm

	Solder Type	ABD-05R MM S-SC7001	ABD-05R M F S-SC7001	ABD-06R MM S-SC7001	ABD-06R M F S-SC7001	ABBD-06R M F S-SC7001

Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05P MM M-SL7A①	ABD-05P M F M-SL7A①	ABD-06P MM M-SL7A①	ABD-06P M F M-SL7A①	ABBD-06P M F M-SL7A①

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05B MM M-SL7A①*	ABD-05B M F M-SL7A①*	ABD-06B MM M-SL7A①*	ABD-06B M F M-SL7A①*	ABBD-06B M F M-SL7A①*

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ABD-05B MM A-SL7001*	ABD-05B M F A-SL7001*	ABD-06B MM A-SL7001*	ABD-06B M F A-SL7001*	ABBD-06B M F A-SL7001*
		Crimp Type	ABD-05B MM C-SL7①P0*	ABD-05B M F C-SL7①P0*	ABD-06B MM C-SL7①P0*	ABD-06B M F C-SL7①P0*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ABD05 M L-ABD M L-SA①*	-	AA-ABD06 M L-ABD M L-SA①*	-	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ABD05 M L-ABD F L-SA①*	-	AA-ABD06 M L-ABD F L-SA①*	-	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ABD05 H L-ABD H L-SA①*	-	AA-ABD06 H L-ABD H L-SA①*	AA-ABBD06 H L-ABD H L-SA①*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ABD05 H L-ABD B L-SA①*	-	AA-ABD06 H L-ABD B L-SA①*	AA-ABBD06 H L-ABD B L-SA①*

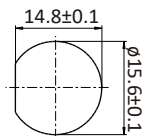
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ABD05 M L-ABD F R-SA①*	-	AA-ABD06 M L-ABD F R-SA①*	-	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ABD05 H L-ABD B R-SA①*	-	AA-ABD06 H L-ABD B R-SA①*	AA-ABBD06 H L-ABD B R-SA①*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

7		8			10	12
250 ~ 600V		250 ~ 600V			250 ~ 600V	250 ~ 600V
5A		5A	5A+2A		2A	2A
Plastic		Plastic			Plastic	Plastic
MM	MF	MM	MF	MF	MM	MM
ABD-07PMMS-SC7001	ABD-07PMFS-SC7001	ABD-08PMMS-SC7001	ABD-08PMFS-SC7001	ABDU-08PMFS-SC7001	ABU-10PMMS-SC7001	ABU-12PMMS-SC7001
1BD-07PMMP-SC7001	1BD-07PMFP-SC7001	1BD-08PMMP-SC7001	1BD-08PMFP-SC7001	1BDU-08PMFP-SC7001	1BU-10PMMP-SC7001	1BU-12PMMP-SC7001
ABD-07PMMR-SC7001	-	ABD-08PMMR-SC7001	-	-	-	-
ABD-07RMS-SC7001	ABD-07RMFS-SC7001	ABD-08RMS-SC7001	ABD-08RMFS-SC7001	ABDU-08RMFS-SC7001	ABU-10RMS-SC7001	ABU-12RMS-SC7001
ABD-07PMMM-SL7A ¹¹	ABD-07PMFM-SL7A ¹¹	ABD-08PMMM-SL7A ¹¹	ABD-08PMFM-SL7A ¹¹	ABDU-08PMFM-SL7A ¹¹	ABU-10PMMM-SL7A ¹¹	ABU-12PMMM-SL7A ¹¹
ABD-07BMMM-SL7A ¹¹ *	ABD-07BMFM-SL7A ¹¹ *	ABD-08BMMM-SL7A ¹¹ *	ABD-08BMFM-SL7A ¹¹ *	ABDU-08BMFM-SL7A ¹¹ *	ABU-10BMMM-SL7A ¹¹ *	ABU-12BMMM-SL7A ¹¹ *
ABD-07BMA-SL7001*	ABD-07BMFA-SL7001*	ABD-08BMA-SL7001*	ABD-08BMFA-SL7001*	ABDU-08BMFA-SL7001*	ABU-10BMA-SL7001*	ABU-12BMA-SL7001*
ABD-07BMC-SL7 ¹¹ PO*	ABD-07BMFC-SL7 ¹¹ PO*	ABD-08BMC-SL7 ¹¹ PO*	ABD-08BMFC-SL7 ¹¹ PO*	-	ABU-10BMC-SL7 ¹¹ PO*	ABU-12BMC-SL7 ¹¹ PO*
AA-ABD07ML-ABDML-SA ¹¹ *	-	AA-ABD08ML-ABDML-SA ¹¹ *	-	-	AA-ABU10ML-ABUML-SA ¹¹ *	AA-ABU12ML-ABUML-SA ¹¹ *
AA-ABD07ML-ABDFL-SA ¹¹ *	-	AA-ABD08ML-ABDFL-SA ¹¹ *	-	-	AA-ABU10ML-ABUFL-SA ¹¹ *	AA-ABU12ML-ABUFL-SA ¹¹ *
-	AA-ABD07HL-ABDHL-SA ¹¹ *	-	AA-ABD08HL-ABDHL-SA ¹¹ *	AA-ABDU08HL-ABDUHL-SA ¹¹ *	-	-
-	AA-ABD07HL-ABDBL-SA ¹¹ *	-	AA-ABD08HL-ABDBL-SA ¹¹ *	AA-ABDU08HL-ABDUBL-SA ¹¹ *	-	-
AA-ABD07ML-ABDFR-SA ¹¹ *	-	AA-ABD08ML-ABDFR-SA ¹¹ *	-	-	AA-ABU10ML-ABUFR-SA ¹¹ *	AA-ABU12ML-ABUFR-SA ¹¹ *
-	AA-ABD07HL-ABDBR-SA ¹¹ *	-	AA-ABD08HL-ABDBR-SA ¹¹ *	AA-ABDU08HL-ABDUBR-SA ¹¹ *	-	-

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder

(A) Field Serviceable/Installable



Crimp

(C) Field Serviceable/Installable

No of Contacts	2			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	5A		10A	
Plastic / Metal	Plastic			
Pin Assignment	FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-02BFFM-SL7A ①	ABD-02BFMM-SL7A ①	ABB-02BFFM-SL7A ①	ABB-02BFMM-SL7A ①
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-02BFFM-SR7A ①	ABD-02BFMM-SR7A ①	ABB-02BFFM-SR7A ①	ABB-02BFMM-SR7A ①
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABD02FL-ABDFL-SA ①	-	AA-ABB02FL-ABBFL-SA ①	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ABD02BL-ABDBL-SA ①	-	AA-ABB02BL-ABBBL-SA ①

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABD02FR-ABDFR-SA ①	-	AA-ABB02FR-ABBFR-SA ①	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ABD02BR-ABDBR-SA ①	-	AA-ABB02BR-ABBBR-SA ①

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABD02FL-ABDFR-SA ①	-	AA-ABB02FL-ABBFR-SA ①	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ABD02BL-ABDBR-SA ①	-	AA-ABB02BL-ABBBR-SA ①

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ABD-02BFFA-SL7001	ABD-02BFMA-SL7001	ABB-02BFFA-SL7001	ABB-02BFMA-SL7001
	Crimp Type	ABD-02BFFC-SL7 ① P0	ABD-02BFMC-SL7 ① P0	ABB-02BFFC-SL7 ① P0	ABB-02BFMC-SL7 ① P0

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

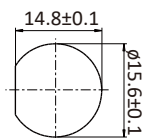
B.C.E. S.r.l.

Via Regina Pacis, 54/c - I 41049 Sassuolo (MO)
Tel.: (+39) 0536 811616 - Fax.: (+39) 0536 811500

e-mail: bce@bce.it - Website: www.bce.it

3				4			
250 ~ 600V				250 ~ 600V			
5A		10A		5A		10A	
Plastic				Plastic			
FF	FM	FF	FM	FF	FM	FF	FM
ABD-03BFFM-SL7A ¹¹	ABD-03BFMM-SL7A ¹¹	ABB-03BFFM-SL7A ¹¹	ABB-03BFMM-SL7A ¹¹	ABD-04BFFM-SL7A ¹¹	ABD-04BFMM-SL7A ¹¹	ABB-04BFFM-SL7A ¹¹	ABB-04BFMM-SL7A ¹¹
ABD-03BFFM-SR7A ¹¹	ABD-03BFMM-SR7A ¹¹	ABB-03BFFM-SR7A ¹¹	ABB-03BFMM-SR7A ¹¹	ABD-04BFFM-SR7A ¹¹	ABD-04BFMM-SR7A ¹¹	ABB-04BFFM-SR7A ¹¹	ABB-04BFMM-SR7A ¹¹
AA-ABD03FL-ABDFL-SA ¹¹	-	AA-ABB03FL-ABBFL-SA ¹¹	-	AA-ABD04FL-ABDFL-SA ¹¹	-	AA-ABB04FL-ABBFL-SA ¹¹	-
-	AA-ABD03BL-ABDBL-SA ¹¹	-	AA-ABB03BL-ABBBL-SA ¹¹	-	AA-ABD04BL-ABDBL-SA ¹¹	-	AA-ABB04BL-ABBBL-SA ¹¹
AA-ABD03FR-ABDFR-SA ¹¹	-	-	-	AA-ABD04FR-ABDFR-SA ¹¹	-	-	-
-	AA-ABD03BR-ABDBR-SA ¹¹	-	AA-ABB03BR-ABBBR-SA ¹¹	-	AA-ABD04BR-ABDBR-SA ¹¹	-	AA-ABB04BR-ABBBR-SA ¹¹
AA-ABD03FL-ABDFR-SA ¹¹	-	AA-ABB03FL-ABBFR-SA ¹¹	-	AA-ABD04FL-ABDFR-SA ¹¹	-	AA-ABB04FL-ABBFR-SA ¹¹	-
-	AA-ABD03BL-ABDBR-SA ¹¹	-	AA-ABB03BL-ABBBR-SA ¹¹	-	AA-ABD04BL-ABDBR-SA ¹¹	-	AA-ABB04BL-ABBBR-SA ¹¹
ABD-03BFFA-SL7001	ABD-03BFMA-SL7001	ABB-03BFFA-SL7001	ABB-03BFMA-SL7001	ABD-04BFFA-SL7001	ABD-04BFMA-SL7001	ABB-04BFFA-SL7001	ABB-05BFMA-SL7001
ABD-03BFFC-SL7 ¹¹ P0	ABD-03BFMC-SL7 ¹¹ P0	ABB-03BFFC-SL7 ¹¹ P0	ABB-03BFMC-SL7 ¹¹ P0	ABD-04BFFC-SL7 ¹¹ P0	ABD-04BFMC-SL7 ¹¹ P0	ABB-04BFFC-SL7 ¹¹ P0	ABB-05BFMC-SL7 ¹¹ P0

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts	5		6		
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V		
Nominal Current	5A		5A	10A+5A	
Plastic / Metal	Plastic		Plastic		
Pin Assignment	FF	FM	FF	FM	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact					

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05BFFM-SL7A ¹¹	ABD-05BFMM-SL7A ¹¹	ABD-06BFFM-SL7A ¹¹	ABD-06BFMM-SL7A ¹¹	ABBD-06BFFM-SL7A ¹¹
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABD-05BFFM-SR7A ¹¹	ABD-05BFMM-SR7A ¹¹	ABD-06BFFM-SR7A ¹¹	ABD-06BFMM-SR7A ¹¹	ABBD-06BFFM-SR7A ¹¹
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact	AA-ABD05FL-ABDFL-SA ¹¹	-	AA-ABD06FL-ABDFL-SA ¹¹	-	-
	End2: Female Conn Female Contact	-	-	-	-	-
	End1: Female Conn Male Contact	-	AA-ABD05BL-ABDBL-SA ¹¹	-	AA-ABD06BL-ABDBL-SA ¹¹	AA-ABBD06BL-ABDBL-SA ¹¹
	End2: Female Conn Male Contact	-	-	-	-	-

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact	AA-ABD05FR-ABDFR-SA ¹¹	-	AA-ABD06FR-ABDFR-SA ¹¹	-	-
	End2: Female Conn Female Contact	-	-	-	-	-
	End1: Female Conn Male Contact	-	AA-ABD05BR-ABDBR-SA ¹¹	-	AA-ABD06BR-ABDBR-SA ¹¹	AA-ABBD06BR-ABDBR-SA ¹¹
	End2: Female Conn Male Contact	-	-	-	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact	AA-ABD05FL-ABDFR-SA ¹¹	-	AA-ABD06FL-ABDFR-SA ¹¹	-	-
	End2: Female Conn Female Contact	-	-	-	-	-
	End1: Female Conn Male Contact	-	AA-ABD05BL-ABDBR-SA ¹¹	-	AA-ABD06BL-ABDBR-SA ¹¹	AA-ABBD06BL-ABDBR-SA ¹¹
	End2: Female Conn Male Contact	-	-	-	-	-

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ABD-05BFFA-SL7001	ABD-05BFMA-SL7001	ABD-06BFFA-SL7001	ABD-06BFMA-SL7001	ABBD-06BFFA-SL7001
	Crimp Type	ABD-05BFFC-SL7 ¹¹ P0	ABD-05BFMC-SL7 ¹¹ P0	ABD-06BFFC-SL7 ¹¹ P0	ABD-06BFMC-SL7 ¹¹ P0	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

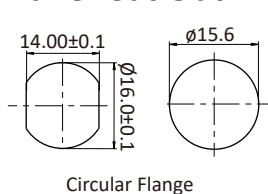
B.C.E. S.r.l.

Via Regina Pacis, 54/c - I 41049 Sassuolo (MO)
Tel.: (+39) 0536 811616 - Fax.: (+39) 0536 811500

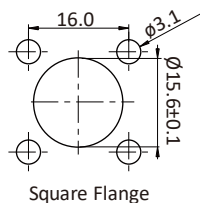
e-mail: bce@bce.it - Website: www.bce.it

7		8			10	12
250 ~ 600V		250 ~ 600V			250 ~ 600V	250 ~ 600V
5A		5A	5A+2A		2A	2A
Plastic		Plastic			Plastic	Plastic
FF	FM	FF	FM	FM	FF	FF
ABD-07BFFM-SL7A ¹¹	ABD-07BFMM-SL7A ¹¹	ABD-08BFFM-SL7A ¹¹	ABD-08BFMM-SL7A ¹¹	ABDU-08BFFM-SL7A ¹¹	ABU-10BFFM-SL7A ¹¹	ABU-12BFFM-SL7A ¹¹
ABD-07BFFM-SR7A ¹¹	ABD-07BFMM-SR7A ¹¹	ABD-08BFFM-SR7A ¹¹	ABD-08BFMM-SR7A ¹¹	ABDU-08BFFM-SR7A ¹¹	ABU-10BFFM-SR7A ¹¹	ABU-12BFFM-SR7A ¹¹
AA-ABD07FL-ABDFL-SA ¹¹	-	AA-ABD08FL-ABDFL-SA ¹¹	-	-	AA-ABU02FL-ABUFL-SA ¹¹	AA-ABU12FL-ABUFL-SA ¹¹
-	AA-ABD07BL-ABDBL-SA ¹¹	-	AA-ABD08BL-ABDBL-SA ¹¹	AA-ABDU08BL-ABDUBL-SA ¹¹	-	-
AA-ABD07FR-ABDFR-SA ¹¹	-	AA-ABD08FR-ABDFR-SA ¹¹	-	-	AA-ABU10FR-ABUFR-SA ¹¹	AA-ABU12FR-ABUFR-SA ¹¹
-	AA-ABD07BR-ABDBR-SA ¹¹	-	AA-ABD08BR-ABDBR-SA ¹¹	AA-ABDU08BR-ABDUBR-SA ¹¹	-	-
AA-ABD07FL-ABDFR-SA ¹¹	-	AA-ABD08FL-ABDFR-SA ¹¹	-	-	AA-ABU02FL-ABUFR-SA ¹¹	AA-ABU12FL-ABUFR-SA ¹¹
-	AA-ABD07BL-ABDBR-SA ¹¹	-	AA-ABD08BL-ABDBR-SA ¹¹	AA-ABDU08BL-ABDUBR-SA ¹¹	-	-
ABD-07BFFA-SL7001	ABD-07BFMA-SL7001	ABD-08BFFA-SL7001	ABD-08BFMA-SL7001	ABDU-08BFMA-SL7001	ABU-10BFFA-SL7001	ABU-12BFFA-SL7001
ABD-07BFMC-SL7 ¹¹ PO	ABD-07BFMC-SL7 ¹¹ PO	ABD-08BFMC-SL7 ¹¹ PO	ABD-08BFMC-SL7 ¹¹ PO	-	ABU-10BFFC-SL7 ¹¹ PO*	ABU-12BFFC-SL7 ¹¹ PO*

Panel Cut Out



Circular Flange



Square Flange

Assemble Style























PCB 180°
(P) Receptacle



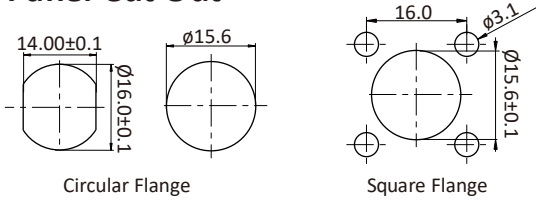
Solder
(S) Receptacle

No of Contacts	4		5	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	5A	10A	5A	
Plastic / Metal	Metal		Metal	
Pin Assignment	MM	MM	MM	
MM : Male Connector Male Contact FF : Female Connector Female Contact				
Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: max. 5.0mm				
	Solder Type	ABSD-04PMMS-SC7001	ABSB-04RMMS-SC7001	ABSD-05PMMS-SC7001
	180° PCB Type	1BSD-04PMMP-SC7001	-	1BSD-05PMMP-SC7001
Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: max. 7.0mm				
	Solder Type	ABSD-04RMMS-SC7001	-	ABSD-05RMMS-SC7001
	180° PCB Type	1BSD-04PMMP-SS7001	-	1BSD-05PMMP-SS7001
Receptacle, Square Flange, FRONT Fastened Nut, IP67 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: max. 4.4mm				
	180° PCB Type	1BSD-04PMMP-SS7001	-	1BSD-05PMMP-SS7001
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)				
① Cable Length: (01) 1M ~ (99) 99M ¹⁾				
	UL2464, PVC Jacket	ABSD-04BMMM-SL7A ¹⁾ *	ABSB-04BMMM-SL7A ¹⁾ *	ABSD-05BMMM-SL7A ¹⁾ *
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF				
	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ABSD04ML-ABSDML-SA ¹⁾	AA-ABSB04ML-ABSBML-SA ¹⁾	AA-ABSD05ML-ABSDML-SA ¹⁾
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ABSD04ML-ABSDFL-SA ¹⁾	AA-ABSB04ML-ABSBFL-SA ¹⁾	AA-ABSD05ML-ABSDFL-SA ¹⁾
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF				
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ABSD04ML-ABSDFR-SA ¹⁾	AA-ABSB04ML-ABSBFR-SA ¹⁾	AA-ABSD05ML-ABSDFR-SA ¹⁾

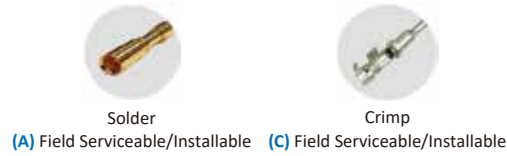
6	7	8	10
250 ~ 600V	250 ~ 600V	250 ~ 600V	250 ~ 600V
5A	5A	5A	2A
Metal	Metal	Metal	Metal
MM	MM	MM	MM
			
ABSD-06PMMS-SC7001	ABSD-07PMMS-SC7001	ABSD-08PMMS-SC7001	ABSU-10PMMS-SC7001
1BSD-06PMMP-SC7001	1BSD-07PMMP-SC7001	1BSD-08PMMP-SC7001	1BSU-10PMMP-SC7001
ABSD-06RMMS-SC7001	ABSD-07RMMS-SC7001	ABSD-08RMMS-SC7001	ABSU-10RMMS-SC7001
1BSD-06PMMP-SS7001	1BSD-07PMMP-SS7001	1BSD-08PMMP-SS7001	-
ABSD-06BMMM-SL7A  *	ABSD-07BMMM-SL7A  *	ABSD-08BMMM-SL7A  *	ABSU-10BMMM-SL7A  *

AA-ABSD06ML-ABSDML-SA 	AA-ABSD07ML-ABSDML-SA 	AA-ABSD08ML-ABSDML-SA 	AA-ABSU10ML-ABSUML-SA 
AA-ABSD06ML-ABSDFL-SA 	AA-ABSD07ML-ABSDFL-SA 	AA-ABSD08ML-ABSDFL-SA 	AA-ABSU10ML-ABSUFL-SA 
AA-ABSD06ML-ABSDFR-SA 	AA-ABSD07ML-ABSDFR-SA 	AA-ABSD08ML-ABSDFR-SA 	AA-ABSU10ML-ABSUFR-SA 

Panel Cut Out



Assemble Style



No of Contacts	4		5
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V
Nominal Current	5A	10A	5A
Plastic / Metal	Metal		Metal
Pin Assignment	FF		FF
FF : Female Connector Female Contact			

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC, Jacket	ABSD-04BFFM-SL7A ¹⁾	ABSB-04BFFM-SL7A ¹⁾	ABSD-05BFFM-SL7A ¹⁾
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ABSD-04BFFM-SR7A ¹⁾	ABSB-04BFFM-SR7A ¹⁾ *	ABSD-05BFFM-SR7A ¹⁾
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABSD04 FL-ABSDFL-SA ¹⁾	AA-ABSB04 FL-BSBFL-SA ¹⁾	AA-ABSD05 FL-ABSDFL-SA ¹⁾
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RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABSD04FR-ABSDFR-SA ¹⁾	AA-ABSB04FR-ABSBFR-SA ¹⁾ *	AA-ABSD05FR-ABSDFR-SA ¹⁾
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STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF






















	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ABSD04FL-ABSDFR-SA ¹⁾	AA-ABSB04FL-ABSBFR-SA ¹⁾ *	AA-ABSD05FL-ABSDFR-SA ¹⁾
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | Recommended Cable O.D.: 4.5 ~ 6.5mm

	Solder Type	ABSD-04BFFA-SL7001*	ABSB-04BFFA-SL7001*	ABSD-05BFFA-SL7001*
	Crimp Type	ABSD-04BFFC-SL7001*	ABSB-04BFFC-SL7001*	ABSD-05BFFC-SL7001*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths
 * Upon Request
B.C.E. S.r.l. Via Regina Pacis, 54/c - I 41049 Sassuolo (MO) Tel.: (+39) 0536 811616 - Fax.: (+39) 0536 811500 e-mail: bce@bce.it - Website: www.bce.it

6	7	8	10
250 ~ 600V	250 ~ 600V	250 ~ 600V	250 ~ 600V
5A	5A	5A	2A
Metal	Metal	Metal	Metal
FF	FF	FF	FF
			
ABSD-06BFFM-SL7A 	ABSD-07BFFM-SL7A 	ABSD-08BFFM-SL7A 	ABSU-10BFFM-SL7A 
ABSD-06BFFM-SR7A 	ABSD-07BFFM-SR7A 	ABSD-08BFFM-SR7A 	ABSU-10BFFM-SR7A 
AA-ABSD06FL-ABSDFL-SA 	AA-ABSD04FL-ABSDFL-SA 	AA-ABSD04FL-ABSDFL-SA 	AA-ABSU10FL-ABSUFL-SA 
AA-ABSD06FR-ABSDFR-SA 	AA-ABSD07FR-ABSDFR-SA 	AA-ABSD08FR-ABSDFR-SA 	AA-ABSU10FR-ABSUFR-SA 
AA-ABSD06FL-ABSDFR-SA 	AA-ABSD07FL-ABSDFR-SA 	AA-ABSD08FL-ABSDFR-SA 	AA-ABSU10FL-ABSUFR-SA 
ABSD-06BFFA-SL7001*	ABSD-07BFFA-SL7001*	ABSD-08BFFA-SL7001*	ABSU-10BFFA-SL7001*
ABSD-06BFFC-SL7001*	ABSD-07BFFC-SL7001*	ABSD-08BFFC-SL7001*	-

Dust Cap

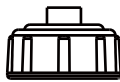


With Rubber Lead

Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Standard Size	Receptacle	Cover	Male	With Rubber Lead	CAP-DABMDCC1
			Male	With Rubber Lead (Longer)	CAP-DABMDCC2
			Male	With Rubber Lead	CAP-DABMDPC3
			Female	With Rubber Lead	CAP-DABFDCC1

Waterproof Cap

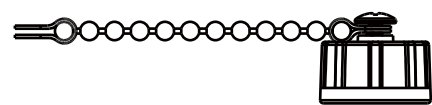
For Mating with Male Connector



None



With Rubber Lead

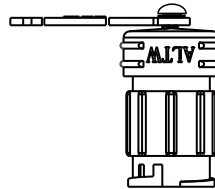


With Chain

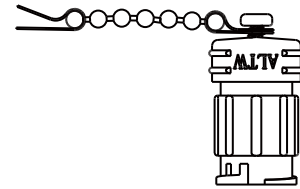
For Mating with Female Connector



None



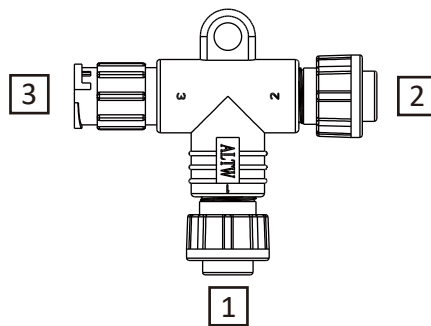
With Rubber Lead



With Chain

Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Standard Size	Receptacle	Screw Thread	Male	With Chain	CAP-WABMSPB1
		Screw Thread	Male	With Rubber Lead	CAP-WABMSPC1
		Screw Thread	Female	With Rubber Lead	CAP-WABFSPC1
		2 Points Lock	Male	With Chain	CAP-WABMLPB1
		2 Points Lock	Female	With Chain	CAP-WABFLPB1
		2 Points Lock	Male	With Rubber Lead	CAP-WABMLPC1
	Overmolded With Cable Field Serviceable/Installable	Screw Thread	Male	None	CAP-WABMSMA1
		2 Points Lock	Male	None	CAP-WABMLMA1
		2 Points Lock	Female	None	CAP-WABFLMA1

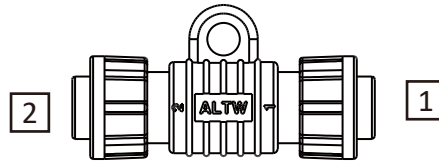
T Adaptor



- 5 For Connector 1
 - 6 For Connector 2
 - 7 For Connector 3
- Connector Gender / Contact Gender
 Male / Male (M)
 Female / Female (F)
 Male / Female (H)
 Female / Male (B)

Size	Nominal Current	No. of Contacts ²	Mating Style	
			Screw Thread (5/8"-27 UNS)	2 Points Lock
Standard Size	2A	10, 12	BA- ² ² ² - ⁵ ⁶ ⁷ -TS001	BA- ² ² ² - ⁵ ⁶ ⁷ -TL001
	5A	02, 03, 04, 05, 06, 07, 08		
	10A	02, 03, 04	AA-BB- ³ ³ ³ - ⁵ ⁶ ⁷ -TS001	AA-BB- ³ ³ ³ - ⁵ ⁶ ⁷ -TL001

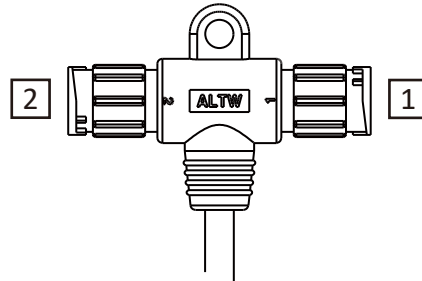
I Adaptor



- 5 For Connector 1
 - 6 For Connector 2
- Connector Gender / Contact Gender
 Male / Male (M)
 Female / Female (F)
 Male / Female (H)
 Female / Male (B)

Size	Nominal Current	No. of Contacts 3	Mating Style	
			Screw Thread (5/8"-27 UNS)	2 Points Lock
Standard Size	2A	10, 12	BA-00 3 3 -0 5 6 -IS001	BA-00 3 3 -0 5 6 -IL001
	5A	02, 03, 04, 05, 06, 07, 08		
	10A	02, 03, 04	AA-BB-00 3 3 -0 5 6 -IS001	AA-BB-00 3 3 -0 5 6 -IL001

T Cable

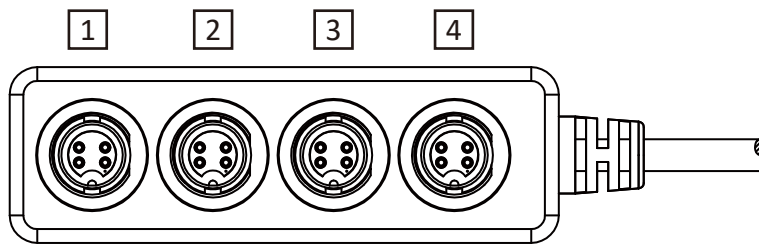


- 5 For Connector 1
 - 6 For Connector 2
- Connector Gender / Contact Gender
 Male / Male (M)
 Female / Female (F)
 Male / Female (H)
 Female / Male (B)

Size	Nominal Current	No. of Contacts 2	Mating Style	
			Screw Thread (5/8"-27 UNS)	2 Points Lock
Standard Size	2A	10, 12	BA-2 2 00-5 6 0-TSAXX	BA-2 2 00-5 6 0-TLAXX
	5A	02, 03, 04, 05, 06, 07, 08		
	10A	02, 03, 04	AA-BB-3 3 00-5 6 0-TSAXX	AA-BB-3 3 00-5 6 0-TLAXX

* XX: Choose the cable length: (01) 1M ~ (99) 99M / PVC UL2464 Cable

Distribution Box

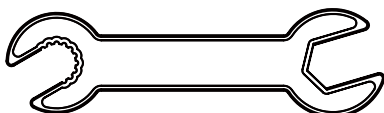


- 6 For Connector 1
 - 7 For Connector 2
 - 8 For Connector 3
 - 9 For Connector 4
- Connector Gender / Contact Gender
 Male / Male (M)
 Female / Female (F)
 Male / Female (H)
 Female / Male (B)

Size	Nominal Current	No. of Contacts 2	Mating Style	
			Screw Thread (5/8"-27 UNS)	2 Points Lock
Standard Size	2A	04, 05, 06	B-2 2 2 2 -6 7 8 9 -SAXX	B-2 2 2 2 -6 7 8 9 -LAXX
	5A	02, 03		
	10A	02, 03, 04	AA-BB-2 2 2 2 -6 7 8 9 -SAXX	AA-BB-2 2 2 2 -6 7 8 9 -LAXX

* XX: Choose the cable length: (01) 1M ~ (99) 99M / PVC UL2464 Cable

Wrench



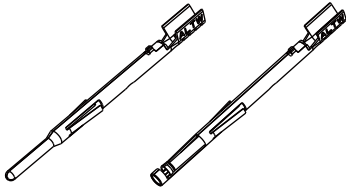
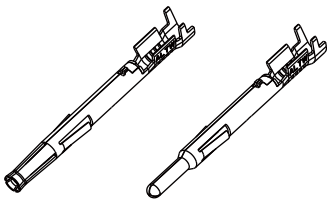
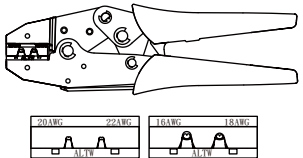
Part Number: TOL-171801

B.C.E. S.r.l.

Via Regina Pacis, 54/c - I 41049 Sassuolo (MO)
 Tel.: (+39) 0536 811616 - Fax.: (+39) 0536 811500

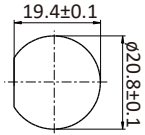
e-mail: bce@bce.it - Website: www.bce.it

Contacts & Crimp Tool

				
5A		10A/20A		Crimp Tool
Nominal Current	Contact Gender	Part Number	Packing ⑥	Crimp Tool
5A	Male	ASSP-05-M-A-C-⑥	(SA) 50pcs / Box (SB) 100pcs / Box (RE) 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	ASST-C-05-W-A (22 ~ 20AWG 0.34 ~ 0.50mm ²)
	Female	ASSP-05-F-A-C-⑥		ASST-C-10-W-B (18 ~ 16AWG 1.50 ~ 0.75mm ²)
10A	Male	ASSP-10-M-A-C-⑥		
	Female	ASSP-10-F-A-C-⑥		

Panel Cut Out

Assemble Style



Circular Flange (D Cut)



PCB 180°
(P) Receptacle



Solder
(S) Receptacle
(A) Field Serviceable/Installable



Crimp
(C) Field Serviceable/Installable

No of Contacts	2		3	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	20A		20A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACC-02PMM5-LC7001	ACC-02PMF5-LC7001	ACC-03PMM5-LC7001	ACC-03PMF5-LC7001
	180° PCB Type	1CC-02PMP-LC7001	-	1CC-03PMP-LC7001	-

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACC-02RMM5-LC7001	-	ACC-03RMM5-LC7001	-

Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾ | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	-	-	-	-

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACC-02BMM-LL7A①*	-	ACC-03BMM-LL7A①*	-

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ACC-02BMA-LL7001*	ACC-02BMA-LL7001*	ACC-03BMA-LL7001*	ACC-03BMA-LL7001*
	Crimp Type	ACC-02BMC-LL7①P0*	ACC-02BMC-LL7①P0*	ACC-03BMC-LL7①P0*	ACC-03BMC-LL7①P0*
	Screw-In Type	ACC-02BMB-LL7①P0*	ACC-02BMB-LL7①P0*	ACC-03BMB-LL7①P0*	ACC-03BMB-LL7①P0*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ACC02ML-ACCML-LA①*	-	AA-ACC03ML-ACCML-LA①*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACC02ML-ACCFL-LA①*	-	AA-ACC03ML-ACCFL-LA①*	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ACC02HL-ACCFL-LA①*	-	AA-ACC03HL-ACCFL-LA①*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ACC02HL-ACCBL-LA①*	-	AA-ACC03HL-ACCBL-LA①*

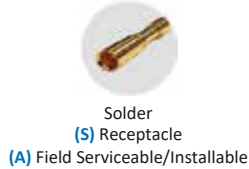
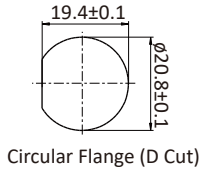
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACC02ML-ACCFR-LA①*	-	AA-ACC03ML-ACCFR-LA①*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ACC02HL-ACCFR-LA①*	-	AA-ACC03HL-ACCFR-LA①*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out Assemble Style



No of Contacts	4			5	
Rated Voltage (AC/DC)	250 ~ 600V			250 ~ 600V	
Nominal Current	2A	10A		10A	
Plastic / Metal	Plastic			Plastic	
Pin Assignment	MM	MM	MF	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					

Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	-	ACB-04PMMS-LC7001	ACB-04PMFS-LC7001	ACB-05PMMS-LC7001	ACB-05PMFS-LC7001
	180° PCB Type	1CU-04PMMP-LC7001	1CB-04PMMP-LC7001	1CB-04PMFP-LC7001	1CB-05PMMP-LC7001	1CB-05PMFP-LC7001

Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	-	ACB-04RMMS-LC7001	ACB-04RMFS-LC7001	ACB-05RMMS-LC7001	ACB-05RMFS-LC7001

Receptacle With Cable, STRAIGHT, IP67 (Unmated)

¹⁾ Cable Length: (01) 1M ~ (99) 99M¹⁾ | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	-	ACB-04PMMM-LL7A ¹⁾	ACB-04PMFM-LL7A ¹⁾	ACB-05PMMM-LL7A ¹⁾	ACB-05PMFM-LL7A ¹⁾

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

¹⁾ Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACU-04BMMM-LL7A ¹⁾ *	ACB-04BMMM-LL7A ¹⁾ *	ACB-04BMFM-LL7A ¹⁾ *	ACB-05BMMM-LL7A ¹⁾ *	ACB-05BMFM-LL7A ¹⁾ *

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ¹⁾ Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ACU-04BMM A-LL7001*	ACB-04BMM A-LL7001*	ACB-04BMF A-LL7001*	ACB-05BMM A-LL7001*	ACB-05BMF A-LL7001*
	Crimp Type	ACU-04BMM C-LL7 ¹⁾ P0*	ACB-04BMM C-LL7 ¹⁾ P0*	ACB-04BMF C-LL7 ¹⁾ P0*	ACB-05BMM C-LL7 ¹⁾ P0*	ACB-05BMF C-LL7 ¹⁾ P0*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

¹⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ACU04ML-ACUML-LA ¹⁾ *	AA-ACB04ML-ACBML-LA ¹⁾ *	-	AA-ACB05ML-ACBML-LA ¹⁾ *	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACU04ML-ACUFL-LA ¹⁾ *	AA-ACB04ML-ACBFL-LA ¹⁾ *	-	AA-ACB05ML-ACBFL-LA ¹⁾ *	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	-	AA-ACB04HL-ACBHL-LA ¹⁾ *	-	AA-ACB05HL-ACBHL-LA ¹⁾ *
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	-	AA-ACB04HL-ACBBL-LA ¹⁾ *	-	AA-ACB05HL-ACBBL-LA ¹⁾ *

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

¹⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

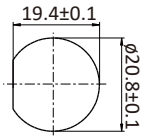
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACU04ML-ACUFR-LA ¹⁾ *	AA-ACB04ML-ACBFR-LA ¹⁾ *	-	AA-ACB05ML-ACBFR-LA ¹⁾ *	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	-	AA-ACB04HL-ACBBL-LA ¹⁾ *	-	AA-ACB05HL-ACBBL-LA ¹⁾ *

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

6		7		8			
250 ~ 600V		250 ~ 600V		250 ~ 600V			
10A		5A		5A		10A+2A	
Plastic		Plastic		Plastic			
MM	MF	MM	MF	MM	MF	MM	MF
ACB-06PMMS-LC7001	ACB-06PMFS-LC7001	ACD-07PMMS-LC7001	ACD-07PMFS-LC7001	ACD-08PMMS-LC7001	ACD-08PMFS-LC7001	ACBU-08PMMS-LC7001*	ACBU-08PMFS-LC7001*
1CB-06PMMP-LC7001	1CB-06PMFP-LC7001	1CD-07PMMP-LC7001	1CD-07PMFP-LC7001	1CD-08PMMP-LC7001	1CD-08PMFP-LC7001	1CBU-08PMMP-LC7001*	1CBU-08PMFP-LC7001*
ACB-06RMMS-LC7001	ACB-06RMFS-LC7001	ACD-07RMMS-LC7001	ACD-07RMFS-LC7001	ACD-08RMMS-LC7001	ACD-08RMFS-LC7001	-	-
ACB-06PMMM-LL7A ¹¹	ACB-06PMFM-LL7A ¹¹	ACD-07PMMM-LL7A ¹¹	ACD-07PMFM-LL7A ¹¹	ACD-08PMMM-LL7A ¹¹	ACD-08PMFM-LL7A ¹¹	-	-
ACB-06BMMM-LL7A ¹¹ *	ACB-06BMFM-LL7A ¹¹ *	ACD-07BMMM-LL7A ¹¹ *	ACD-07BMFM-LL7A ¹¹	ACD-08BMMM-LL7A ¹¹ *	ACD-08BMFM-LL7A ¹¹	ACBU-08BMMM-LL7A ¹¹ *	ACBU-08BMFM-LL7A ¹¹ *
ACB-06BMMA-LL7001*	ACB-06BMFA-LL7001*	ACD-07BMMA-LL7001	ACD-07BMFA-LL7001	ACD-08BMMA-LL7001	ACD-08BMFA-LL7001	ACBU-08BMMA-LL7001*	ACBU-08BMFA-LL7001*
ACB-06BMMC-LL7 ¹¹ PO*	ACB-06BMFC-LL7 ¹¹ PO*	ACD-07BMMC-LL7 ¹¹ PO*	ACD-07BMFC-LL7 ¹¹ PO	ACD-08BMMC-LL7 ¹¹ PO*	ACD-08BMFC-LL7 ¹¹ PO	ACBU-08BMMC-LL7 ¹¹ PO*	ACBU-08BMFC-LL7 ¹¹ PO*
AA-ACB06ML-ACBML-LA ¹¹ *	-	AA-ACD07ML-ACDML-LA ¹¹	-	AA-ACD08ML-ACDML-LA ¹¹	-	AA-ACBU08ML-ACBUML-LA ¹¹ *	-
AA-ACB06ML-ACBFL-LA ¹¹ *	-	AA-ACD07ML-ACDFL-LA ¹¹	-	AA-ACD08ML-ACDFL-LA ¹¹	-	AA-ACBU08ML-ACBUFL-LA ¹¹ *	-
-	AA-ACB06HL-ACBHL-LA ¹¹ *	-	AA-ACD07HL-ACDHL-LA ¹¹	-	AA-ACD08HL-ACDHL-LA ¹¹	-	AA-ACBU08HL-ACBUHL-LA ¹¹ *
-	AA-ACB06HL-ACBBL-LA ¹¹ *	-	AA-ACD07HL-ACDBL-LA ¹¹	-	AA-ACD08HL-ACDBL-LA ¹¹	-	AA-ACBU08HL-ACBUBL-LA ¹¹ *
AA-ACB06ML-ACBFR-LA ¹¹ *	-	AA-ACD07ML-ACDFR-LA ¹¹	-	AA-ACD08ML-ACDFR-LA ¹¹	-	AA-ACB08ML-ACBFR-LA ¹¹ *	-
-	AA-ACB06HL-ACBBL-LA ¹¹ *	-	AA-ACD07HL-ACDBR-LA ¹¹ *	-	AA-ACD08HL-ACDBR-LA ¹¹ *	-	AA-ACBU08HL-ACBUBL-LA ¹¹ *

Panel Cut Out Assemble Style



Circular Flange (D Cut)



PCB 180°
(P) Receptacle



Solder
(S) Receptacle
(A) Field Serviceable/Installable



Crimp
(C) Field Serviceable/Installable

No of Contacts	8		9		10	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V		250 ~ 600V	
Nominal Current	10A+5A		5A		5A	
Plastic / Metal	Plastic		Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact						

Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACBD-08PMMS-LC7001	ACBD-08PMFS-LC7001	ACD-09PMMS-LC7001	ACD-09PMFS-LC7001	ACD-10PMMS-LC7001	ACD-10PMFS-LC7001
	180° PCB Type	1CBD-08PMMPLC7001	1CBD-08PMFPLC7001	1CD-09PMMPLC7001	1CD-09PMFPLC7001	1CD-10PMMPLC7001	1CD-10PMFPLC7001

Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	-	-	ACD-09RMMSLC7001	ACD-09RMFSLC7001	ACD-10RMMSLC7001	ACD-10RMFSLC7001

Receptacle With Cable, STRAIGHT, IP67 (Unmated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾ | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	-	-	ACD-09PMMM-LL7A①	ACD-09PMFM-LL7A①	ACD-10PMMM-LL7A①	ACD-10PMFM-LL7A①

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACBD-08BMMM-LL7A①*	ACBD-08BMFM-LL7A①*	ACD-09BMMM-LL7A①*	ACD-09BMFM-LL7A①	ACD-10BMMM-LL7A①*	ACD-10BMFM-LL7A①

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ACBD-08BMMALC7001*	ACBD-08BMFALC7001*	ACD-09BMMALC7001	ACD-09BMFALC7001	ACD-10BMMALC7001	ACD-10BMFALC7001
	Crimp Type	ACBD-08BMMC-LL7①P0*	ACBD-08BMFC-LL7①P0*	ACD-09BMMC-LL7①P0*	ACD-09BMFC-LL7①P0	ACD-10BMMC-LL7①P0*	ACD-10BMFC-LL7①P0

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ACBD08ML-ACBDML-LA①*	-	AA-ACD09ML-ACDML-LA①	-	AA-ACD10ML-ACDML-LA①	-
	End2: Male Conn Male Contact	-	-	-	-	-	-
	End1: Male Conn Male Contact	AA-ACBD08ML-ACBDFL-LA①*	-	AA-ACD09ML-ACDFL-LA①	-	AA-ACD10ML-ACDFL-LA①	-
	End2: Female Conn Female Contact	-	-	-	-	-	-
	End1: Male Conn Female Contact	-	AA-ACBD08HL-ACBDHL-LA①*	-	AA-ACD09HL-ACDHL-LA①	-	AA-ACD10HL-ACDHL-LA①
	End2: Male Conn Female Contact	-	-	-	-	-	-
	End1: Male Conn Female Contact	-	AA-ACBD08HL-ACBDBL-LA①*	-	AA-ACD09HL-ACDBL-LA①	-	AA-ACD10HL-ACDBL-LA①
	End2: Female Conn Male Contact	-	-	-	-	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

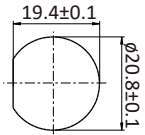
	End1: Male Conn Male Contact	AA-ACBD08ML-ACBDFR-LA①*	-	AA-ACD09ML-ACDFR-LA①	-	AA-ACD10ML-ACDFR-LA①	-
	End2: Female Conn Female Contact	-	-	-	-	-	-
	End1: Male Conn Female Contact	-	AA-ACBD08HL-ACBDBR-LA①*	-	AA-ACD09HL-ACDBR-LA①*	-	AA-ACD10HL-ACDBR-LA①*
	End2: Female Conn Male Contact	-	-	-	-	-	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

12				14			
250 ~ 600V				250 ~ 600V			
5A		5A+2A		5A		5A+2A	
Plastic				Plastic			
MM	MF	MM	MF	MM	MF	MM	MF
ACD-12PMMS-LC7001	ACD-12PMFS-LC7001	ACDU-12PMMS-LC7001	ACDU-12PMFS-LC7001	ACD-14PMMS-LC7001	ACD-14PMFS-LC7001	ACDU-14PMMS-LC7001	ACDU-14PMFS-LC7001
1CD-12PMMP-LC7001	1CD-12PMFP-LC7001	1CDU-12PMMP-LC7001	1CDU-12PMFP-LC7001	1CD-14PMMP-LC7001	1CD-14PMFP-LC7001	1CDU-14PMMP-LC7001	1CDU-14PMFP-LC7001
ACD-12RMMS-LC7001	ACD-12RMFS-LC7001	-	-	ACD-14RMMS-LC7001	ACD-14RMFS-LC7001	-	-
ACD-12PMMM-LL7A ¹¹	ACD-12PMFM-LL7A ¹¹	-	-	ACD-14PMMM-LL7A ¹¹	ACD-14PMFM-LL7A ¹¹	-	-
ACD-12BMMM-LL7A ¹¹ *	ACD-12BMFM-LL7A ¹¹	ACDU-12BMMM-LL7A ¹¹ *	ACDU-12BMFM-LL7A ¹¹ *	ACD-14BMMM-LL7A ¹¹ *	ACD-14BMFM-LL7A ¹¹	ACDU-14BMMM-LL7A ¹¹ *	ACDU-14BMFM-LL7A ¹¹ *
ACD-12BMMA-LL7001	ACD-12BMFA-LL7001	ACDU-12BMMA-LL7001*	ACDU-12BMFA-LL7001*	ACD-14BMMA-LL7001	ACD-14BMFA-LL7001	ACDU-14BMMA-LL7001*	ACDU-14BMFA-LL7001*
ACD-12BMMC-LL7 ¹¹ P0*	ACD-12BMFC-LL7 ¹¹ P0	ACDU-12BM MC-LL7 ¹¹ P0*	ACDU-12BMFC-LL7 ¹¹ P0*	ACD-14BM MC-LL7 ¹¹ P0*	ACD-14BMFC-LL7 ¹¹ P0	ACDU-14BM MC-LL7 ¹¹ P0*	ACDU-14BMFC-LL7 ¹¹ P0*

AA-ACD12ML-ACDML-LA ¹¹	-	AA-ACDU12ML-ACDUML-LA ¹¹ *	-	AA-ACD14ML-ACDML-LA ¹¹	-	AA-ACDU14ML-ACDUML-LA ¹¹ *	-
AA-ACD12ML-ACDFL-LA ¹¹	-	AA-ACDU12ML-ACDUFL-LA ¹¹ *	-	AA-ACD14ML-ACDFL-LA ¹¹	-	AA-ACDU14ML-ACDUFL-LA ¹¹ *	-
-	AA-ACD12HL-ACDHL-LA ¹¹	-	AA-ACDU12HL-ACDUHL-LA ¹¹ *	-	AA-ACD14HL-ACDHL-LA ¹¹	-	AA-ACDU14HL-ACDUHL-LA ¹¹ *
-	AA-ACD12HL-ACDBL-LA ¹¹	-	AA-ACDU12HL-ACDUBL-LA ¹¹ *	-	AA-ACD14HL-ACDBL-LA ¹¹	-	AA-ACDU14HL-ACDUBL-LA ¹¹ *
AA-ACD12ML-ACDFR-LA ¹¹	-	AA-ACDU12ML-ACDUFR-LA ¹¹ *	-	AA-ACD14ML-ACDFR-LA ¹¹	-	AA-ACDU14ML-ACDUFR-LA ¹¹ *	-
-	AA-ACD12HL-ACDBR-LA ¹¹ *	-	AA-ACDU12HL-ACDUBR-LA ¹¹ *	-	AA-ACD14HL-ACDBR-LA ¹¹ *	-	AA-ACDU14HL-ACDUBR-LA ¹¹ *

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

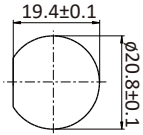
No of Contacts		2		3	
Rated Voltage (AC/DC)		250 ~ 600V		250 ~ 600V	
Nominal Current		20A		20A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM
FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACC-02BFFM-LL7A ⑪	ACC-02BFMM-LL7A ⑪	ACC-03BFFM-LL7A ⑪	ACC-03BFMM-LL7A ⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACC-02BFFM-LR7A ⑪*	ACC-02BFMM-LR7A ⑪*	ACC-03BFFM-LR7A ⑪*	ACC-03BFMM-LR7A ⑪*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FL-ACCFL-LA ⑪	-	AA-ACC03FL-ACCFL-LA ⑪	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACC02BL-ACCBL-LA ⑪	-	AA-ACC03BL-ACCBL-LA ⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FR-ACCFL-LA ⑪*	-	AA-ACC03FR-ACCFL-LA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACC02BR-ACCBL-LA ⑪*	-	AA-ACC03BR-ACCBL-LA ⑪*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FL-ACCFL-LA ⑪*	-	AA-ACC03FL-ACCFL-LA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACC02BL-ACCBL-LA ⑪*	-	AA-ACC03BL-ACCBL-LA ⑪*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm ⑪ Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm					
	Solder Type	ACC-02BFFA-LL7001	ACC-02BFMA-LL7001*	ACC-03BFFA-LL7001	ACC-03BFMA-LL7001*
	NEW Crimp Type	ACC-02BFFC-LL7 ⑪ PO	ACC-02BMFC-LL7 ⑪ PO	ACC-03BFFC-LL7 ⑪ PO	ACC-03BMFC-LL7 ⑪ PO
	Screw-In Type	ACC-02BFFB-LL7 ⑪ PO*	ACC-02BMFB-LL7 ⑪ PO*	ACC-03BFFB-LL7 ⑪ PO*	ACC-03BMFB-LL7 ⑪ PO*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

4			5		6		7	
250 ~ 600V			250 ~ 600V		250 ~ 600V		250 ~ 600V	
2A	10A		10A		10A		5A	
Plastic			Plastic		Plastic		Plastic	
FF	FF	FM	FF	FM	FF	FM	FF	FM
ACU-04BFFM-LL7A ¹¹	ACB-04BFFM-LL7A ¹¹	ACB-04BFMM-LL7A ¹¹	ACB-05BFFM-LL7A ¹¹	ACB-05BFMM-LL7A ¹¹	ACB-06BFFM-LL7A ¹¹	ACB-06BFMM-LL7A ¹¹	ACD-07BFFM-LL7A ¹¹	ACD-07BFMM-LL7A ¹¹
ACU-04BFFM-LR7A ^{11*}	ACB-04BFFM-LR7A ^{11*}	ACB-04BFMM-LR7A ^{11*}	ACB-05BFFM-LR7A ^{11*}	ACB-05BFMM-LR7A ^{11*}	ACB-06BFFM-LR7A ^{11*}	ACB-06BFMM-LR7A ^{11*}	ACD-07BFFM-LR7A ¹¹	ACD-07BFMM-LR7A ^{11*}
AA-ACU04FL-ACUFL-LA ¹¹	AA-ACB04FL-ACBFL-LA ¹¹	-	AA-ACB05FL-ACBFL-LA ¹¹	-	AA-ACB06FL-ACBFL-LA ¹¹	-	AA-ACD07FL-ACDFL-LA ¹¹	-
-	-	AA-ACB04BL-ACBBL-LA ¹¹	-	AA-ACB05BL-ACBBL-LA ¹¹	-	AA-ACB06BL-ACBBL-LA ¹¹	-	AA-ACD07BL-ACDBL-LA ¹¹
AA-ACU04FR-ACUFR-LA ^{11*}	AA-ACB04FR-ACBFR-LA ^{11*}	-	AA-ACB05FR-ACBFR-LA ^{11*}	-	AA-ACB06FR-ACBFR-LA ^{11*}	-	AA-ACD07FR-ACDFR-LA ¹¹	-
-	-	AA-ACB04BR-ACBBL-LA ^{11*}	-	AA-ACB05BR-ACBBL-LA ^{11*}	-	AA-ACB06BR-ACBBL-LA ^{11*}	-	AA-ACD07BL-ACDBL-LA ¹¹
AA-ACU04FL-ACUFR-LA ^{11*}	AA-ACB04FL-ACBFR-LA ^{11*}	-	AA-ACB05FL-ACBFR-LA ^{11*}	-	AA-ACB06FL-ACBFR-LA ^{11*}	-	AA-ACD07FL-ACDFR-LA ¹¹	-
-	-	AA-ACB04BL-ACBBL-LA ^{11*}	-	AA-ACB05BL-ACBBL-LA ^{11*}	-	AA-ACB06BL-ACBBL-LA ^{11*}	-	AA-ACD07BL-ACDBL-LA ^{11*}
ACU-04BFFA-LL7001	ACB-04BFFA-LL7001	ACB-04BFMA-LL7001	ACB-05BFFA-LL7001	ACB-05BFMA-LL7001	ACB-06BFFA-LL7001	ACB-06BFMA-LL7001	ACD-07BFFA-LL7001	ACD-07BFMA-LL7001
ACU-04BFFC-LL7 ¹¹ P0*	ACB-04BFFC-LL7 ¹¹ P0	ACB-04BFMC-LL7 ¹¹ P0	ACB-05BFFC-LL7 ¹¹ P0	ACB-05BFMC-LL7 ¹¹ P0	ACB-06BFFC-LL7 ¹¹ P0	ACB-06BFMC-LL7 ¹¹ P0	ACD-07BFFC-LL7 ¹¹ P0*	ACD-07BFMC-LL7 ¹¹ P0
-	-	-	-	-	-	-	-	-

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts	8				
Rated Voltage (AC/DC)	250 ~ 600V				
Nominal Current	5A		10A+2A		
Plastic / Metal	Plastic				
Pin Assignment	FF	FM	FF	FM	
FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACD-08BFFM-LL7A ⑪	ACD-08BFMM-LL7A ⑪	ACBU-08BFFM-LL7A ⑪	ACBU-08BFMM-LL7A ⑪*
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACD-08BFFM-LR7A ⑪	ACD-08BFMM-LR7A ⑪*	ACBU-08BFFM-LR7A ⑪*	ACBU-08BFMM-LR7A ⑪*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD08FL-ACDFL-LA ⑪	-	AA-ACBU08FL-ACBUFL-LA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD08BL-ACDBL-LA ⑪	-	AA-ACBU08BL-ACBUBL-LA ⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD08FR-ACDFR-LA ⑪	-	AA-ACBU08FR-ACBDFR-LA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD08BL-ACDBL-LA ⑪	-	AA-ACBU08BR-ACBUBR-LA ⑪*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD08FL-ACDFR-LA ⑪	-	AA-ACBU08FL-ACBUIR-LA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD08BL-ACDBR-LA ⑪*	-	AA-ACBU08BL-ACBUBR-LA ⑪*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm ⑪ Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm					
	Solder Type	ACD-08BFFA-LL7001	ACD-08BFMA-LL7001	ACBU-08BFFA-LL7001*	ACBU-08BFMA-LL7001*
	Crimp Type	ACD-08BFFC-LL7 ⑪ P0*	ACD-08BFMC-LL7 ⑪ P0	ACBU-08BFFC-LL7 ⑪ P0*	ACBU-08BFMC-LL7 ⑪ P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

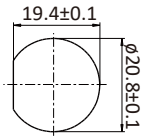
B.C.E. S.r.l.

Via Regina Pacis, 54/c - I 41049 Sassuolo (MO)
Tel.: (+39) 0536 811616 - Fax.: (+39) 0536 811500

e-mail: bce@bce.it - Website: www.bce.it

8		9		10		12	
250 ~ 600V		250 ~ 600V		250 ~ 600V		250 ~ 600V	
10A+5A		5A		5A		5A	
Plastic		Plastic		Plastic		Plastic	
FF	FM	FF	FM	FF	FM	FF	FM
ACBD-08BFFM-LL7A	ACBD-08BFMM-LL7A	ACD-09BFFM-LL7A	ACD-09BFMM-LL7A	ACD-10BFFM-LL7A	ACD-10BFMM-LL7A	ACD-12BFFM-LL7A	ACD-12BFMM-LL7A
ACBD-08BFFM-LL7A *	ACBD-08BFMM-LL7A *	ACD-09BFFM-LL7A	ACD-09BFMM-LL7A *	ACD-10BFFM-LL7A	ACD-10BFMM-LL7A *	ACD-12BFFM-LL7A	ACD-12BFMM-LL7A *
AA-ACBD08FL-ACBDFL-LA	-	AA-ACD09FL-ACDFL-LA	-	AA-ACD10FL-ACDFL-LA	-	AA-ACD12FL-ACDFL-LA	-
-	AA-ACBD08BL-ACBDBL-LA	-	AA-ACD09BL-ACDBL-LA	-	AA-ACD10BL-ACDBL-LA	-	AA-ACD12BL-ACDBL-LA
AA-ACBD08FR-ACBDFR-LA *	-	AA-ACD09FR-ACDFR-LA	-	AA-ACD10FR-ACDFR-LA	-	AA-ACD12FR-ACDFR-LA	-
-	AA-ACBD08BR-ACBDBR-LA *	-	AA-ACD09BL-ACDBL-LA	-	AA-ACD10BL-ACDBL-LA	-	AA-ACD12BL-ACDBL-LA
AA-ACBD08FL-ACBDFR-LA *	-	AA-ACD09FL-ACDFR-LA	-	AA-ACD10FL-ACDFR-LA	-	AA-ACD12FL-ACDFR-LA	-
-	AA-ACBD08BL-ACBDBR-LA *	-	AA-ACD09BL-ACDBR-LA *	-	AA-ACD10BL-ACDBR-LA *	-	AA-ACD12BL-ACDBR-LA *
ACBD-08BFFA-LL7001	ACBD-08BFMA-LL7001	ACD-09BFFA-LL7001	ACD-09BFMA-LL7001	ACD-10BFFA-LL7001	ACD-10BFMA-LL7001	ACD-12BFFA-LL7001	ACD-12BFMA-LL7001
ACBD-08BFFC-LL7 PO*	ACBD-08BFMC-LL7 PO*	ACD-09BFFC-LL7 PO*	ACD-09BFMC-LL7 PO	ACD-10BFFC-LL7 PO*	ACD-10BFMC-LL7 PO	ACD-12BFFC-LL7 PO*	ACD-12BFMC-LL7 PO

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts	12		14			
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V			
Nominal Current	5A+2A		5A	5A+2A		
Plastic / Metal	Plastic		Plastic			
Pin Assignment	FF	FM	FF	FM	FF	FM
FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact						

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACDU-12BFFM-LL7A ¹¹	ACDU-12BFMM-LL7A ¹¹	ACD-14BFFM-LL7A ¹¹	ACD-14BFMM-LL7A ¹¹	ACDU-14BFFM-LL7A ¹¹	ACDU-14BFMM-LL7A ¹¹
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACDU-12BFFM-LR7A ^{11*}	ACDU-12BFMM-LR7A ^{11*}	ACD-14BFFM-LR7A ¹¹	ACD-14BFMM-LR7A ^{11*}	ACDU-14BFFM-LR7A ^{11*}	ACDU-14BFMM-LR7A ^{11*}
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACDU12FL-ACDUFL-LA ¹¹	-	AA-ACD14FL-ACDFL-LA ¹¹	-	AA-ACDU14FL-ACDUFL-LA ¹¹	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACDU12BL-ACDUFL-LA ¹¹	-	AA-ACD14BL-ACDFL-LA ¹¹	-	AA-ACDU14BL-ACDUFL-LA ¹¹

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACDU12FR-ACDUFR-LA ^{11*}	-	AA-ACD14FR-ACDFR-LA ¹¹	-	AA-ACDU14FR-ACDUFR-LA ^{11*}	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACDU12BR-ACDUFR-LA ^{11*}	-	AA-ACD14BR-ACDFR-LA ¹¹	-	AA-ACDU14BR-ACDUFR-LA ^{11*}

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACDU12FL-ACDUFR-LA ^{11*}	-	AA-ACD14FL-ACDFR-LA ¹¹	-	AA-ACDU14FL-ACDUFR-LA ^{11*}	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACDU12BL-ACDUFR-LA ^{11*}	-	AA-ACD14BL-ACDFR-LA ¹¹	-	AA-ACDU14BL-ACDUFR-LA ^{11*}

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

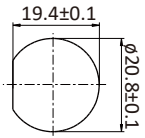
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | 11 Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ACDU-12BFFA-LL7001	ACDU-12BFMA-LL7001	ACD-14BFFA-LL7001	ACD-14BFMA-LL7001	ACDU-14BFFA-LL7001	ACDU-14BFMA-LL7001
	Crimp Type	ACDU-12BFFC-LL7 ¹¹ P0*	ACDU-12BMFC-LL7 ¹¹ P0*	ACD-14BFFC-LL7 ¹¹ P0*	ACD-14BFMC-LL7 ¹¹ P0	ACDU-14BFFC-LL7 ¹¹ P0*	ACDU-14BMFC-LL7 ¹¹ P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out Assemble Style



Circular Flange (D Cut)



PCB 180°
(P) Receptacle



Solder
(S) Receptacle
(A) Field Serviceable/Installable



Crimp
(C) Field Serviceable/Installable

No of Contacts	2	3	4		
Rated Voltage (AC/DC)	250 ~ 600V	250 ~ 600V	250 ~ 600V		
Nominal Current	20A	20A	2A	10A	
Plastic / Metal	Plastic	Plastic	Plastic		
Pin Assignment	MM	MM	MM	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACC-02PMM5-SC7001	ACC-03PMM5-SC7001	1CU-04PMPMP-SC7001	ACB-04PMM5-SC7001	ACB-04PMF5-SC7001
	180° PCB Type	1CC-02PMPMP-SC7001	1CC-03PMPMP-SC7001	-	1CB-04PMPMP-SC7001	1CB-04PMFP-SC7001

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACC-02RMM5-SC7001	ACC-03RMM5-SC7001	-	ACB-04RMM5-SC7001	ACB-04RMF5-SC7001

Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾ | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	-	-	-	ACB-04PMMM-SL7A①	ACB-04PMFM-SL7A①

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACC-02BMMM-SL7A①*	ACC-03BMMM-SL7A①*	ACU-04BMMM-SL7A①*	ACB-04BMMM-SL7A①*	ACB-04BMFM-SL7A①*

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ACC-02BMMMA-SL7001*	ACC-03BMMMA-SL7001*	ACU-04BMMMA-SL7001*	ACB-04BMMMA-SL7001*	ACB-04BMFA-SL7001*
	Crimp Type	ACC-02BMMMC-SL7①P0*	ACC-03BMMMC-SL7①P0*	ACU-04BMMMC-SL7①P0*	ACB-04BMMMC-SL7①P0*	ACB-04BMFC-SL7①P0*
	Screw-In Type	ACC-02BMMMB-SL7①P0*	ACC-03BMMMB-SL7①P0*	-	-	-

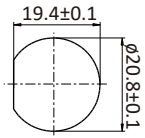
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ACC02ML-ACCML-SA①*	AA-ACC03ML-ACCML-SA①*	AA-ACU04ML-ACUML-SA①*	AA-ACB04ML-ACBML-SA①*	-
	End2: Male Conn Male Contact	-	-	-	-	-
	End1: Male Conn Male Contact	AA-ACC02ML-ACCFL-SA①*	AA-ACC03ML-ACCFL-SA①*	AA-ACU04ML-ACUFL-SA①*	AA-ACB04ML-ACBFL-SA①*	-
	End2: Female Conn Female Contact	-	-	-	-	-
	End1: Male Conn Female Contact	-	-	-	-	AA-ACB04HL-ACBHL-SA①*
	End2: Male Conn Female Contact	-	-	-	-	AA-ACB04HL-ACBBL-SA①*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ACC02ML-ACCFR-SA①*	AA-ACC03ML-ACCFR-SA①*	AA-ACU04ML-ACUFR-SA①*	AA-ACB04ML-ACBFR-SA①*	-
	End2: Female Conn Female Contact	-	-	-	-	-
	End1: Male Conn Female Contact	-	-	-	-	AA-ACB04HL-ACBBL-SA①*
	End2: Female Conn Male Contact	-	-	-	-	AA-ACB04HL-ACBBR-SA①*

Panel Cut Out Assemble Style



Circular Flange (D Cut)



PCB 180°
(P) Receptacle



Solder
(S) Receptacle
(A) Field Serviceable/Installable



Crimp
(C) Field Serviceable/Installable

No of Contacts	5		6	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	10A		10A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)
 Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACB-05PMMS-SC7001	ACB-05PMFS-SC7001	ACB-06PMMS-SC7001	ACB-06PMFS-SC7001
	180° PCB Type	1CB-05PMMP-SC7001	1CB-05PMFP-SC7001	1CB-06PMMP-SC7001	1CB-06PMFP-SC7001

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
 Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACB-05RMMS-SC7001	ACB-05RMFS-SC7001	ACB-06RMMS-SC7001	ACB-06RMFS-SC7001
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Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)
 ① Cable Length: (01) 1M ~ (99) 99M¹⁾ | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	ACB-05PMMM-SL7A ①	ACB-05PMFM-SL7A ①	ACB-06PMMM-SL7A ①	ACB-06PMFM-SL7A ①
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
 ① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACB-05BMMM-SL7A ①*	ACB-05BMFM-SL7A ①*	ACB-06BMMM-SL7A ①*	ACB-06BMFM-SL7A ①*
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
 Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ACB-05BMMMA-SL7001*	ACB-05BMFA-SL7001*	ACB-06BMMMA-SL7001*	ACB-06BMFA-SL7001*
	Crimp Type	ACB-05BMMMC-SL7 ①PO*	ACB-05BMFC-SL7 ①PO*	ACB-06BMMMC-SL7 ①PO*	ACB-06BMFC-SL7 ①PO*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
 ① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact	AA-ACB05ML-ACBML-SA ①*	-	AA-ACB06ML-ACBML-SA ①*	-
	End2: Male Conn Male Contact	-	-	-	-
	End1: Male Conn Male Contact	AA-ACB05ML-ACBFL-SA ①*	-	AA-ACB06ML-ACBFL-SA ①*	-
	End2: Female Conn Female Contact	-	-	-	-
	End1: Male Conn Female Contact	-	AA-ACB05HL-ACBHL-SA ①*	-	AA-ACB06HL-ACBHL-SA ①*
	End2: Male Conn Female Contact	-	-	-	-
	End1: Male Conn Female Contact	-	AA-ACB05HL-ACBBL-SA ①*	-	AA-ACB06HL-ACBBL-SA ①*
	End2: Female Conn Male Contact	-	-	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
 ① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

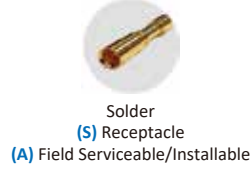
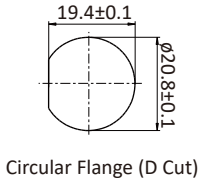
	End1: Male Conn Male Contact	AA-ACB05ML-ACBFR-SA ①*	-	AA-ACB06ML-ACBFR-SA ①*	-
	End2: Female Conn Female Contact	-	-	-	-
	End1: Male Conn Female Contact	-	AA-ACB05HL-ACBBS-SA ①*	-	AA-ACB06HL-ACBBS-SA ①*
	End2: Female Conn Male Contact	-	-	-	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

7		8						9	
250 ~ 600V		250 ~ 600V						250 ~ 600V	
5A		5A		10A+2A		10A+5A		5A	
Plastic		Plastic						Plastic	
MM	MF	MM	MF	MM	MF	MM	MF	MM	MF
ACD-07PMMS-SC7001	ACD-07PMFS-SC7001	ACD-08PMMS-SC7001	ACD-08PMFS-SC7001	ACBU-08PMMS-SC7001*	ACBU-08PMFS-SC7001*	ACBD-08PMMS-SC7001*	ACBD-08PMFS-SC7001	ACD-09PMMS-SC7001	ACD-09PMFS-SC7001
1CD-07PMMP-SC7001	1CD-07PMFP-SC7001	1CD-08PMMP-SC7001	1CD-08PMFP-SC7001	1CBU-08PMMP-SC7001*	1CBU-08PMFP-SC7001*	1CBD-08PMMP-SC7001*	1CBD-08PMFP-SC7001	1CD-09PMMP-SC7001	1CD-09PMFP-SC7001
ACD-07RMMMS-SC7001	ACD-07RMFS-SC7001	ACD-08RMMMS-SC7001	ACD-08RMFS-SC7001	-	-	-	-	ACD-09RMMMS-SC7001	ACD-09RMFS-SC7001
ACD-07PMMM-SL7A ¹¹	ACD-07PMFM-SL7A ¹¹	ACD-08PMMM-SL7A ¹¹	ACD-08PMFM-SL7A ¹¹	-	-	-	-	ACD-09PMMM-SL7A ¹¹	ACD-09PMFM-SL7A ¹¹
ACD-07BMMM-SL7A ¹¹ *	ACD-07BMFM-SL7A ¹¹ *	ACD-08BMMM-SL7A ¹¹ *	ACD-08BMFM-SL7A ¹¹ *	ACBU-08BMMM-SL7A ¹¹ *	ACBU-08BMFM-SL7A ¹¹ *	ACBD-08BMMM-SL7A ¹¹ *	ACBD-08BMFM-SL7A ¹¹ *	ACD-09BMMM-SL7A ¹¹ *	ACD-09BMFM-SL7A ¹¹ *
ACD-07BMMA-SL7001*	ACD-07BMFA-SL7001*	ACD-07BMMA-SL7001*	ACD-07BMFA-SL7001*	ACBU-08BMMA-SL7001*	ACBU-08BMFA-SL7001*	ACBD-08BMMA-SL7001*	ACBD-08BMFA-SL7001*	ACD-09BMMA-SL7001*	ACD-09BMFA-SL7001*
ACD-07BMMC-SL7 ¹¹ P0*	ACD-07BMFC-SL7 ¹¹ P0*	ACD-07BMMC-SL7 ¹¹ P0*	ACD-07BMFC-SL7 ¹¹ P0*	ACBU-08BMMC-SL7 ¹¹ P0*	ACBD-08BMFC-SL7 ¹¹ P0*	ACBD-08BMMC-SL7 ¹¹ P0*	ACBD-08BMFC-SL7 ¹¹ P0*	ACD-09BMMC-SL7 ¹¹ P0*	ACD-09BMFC-SL7 ¹¹ P0*

AA-ACD07ML-ACDML-SA ¹¹ *	-	AA-ACD08ML-ACDML-SA ¹¹ *	-	AA-ACBU08ML-ACBUML-SA ¹¹ *	-	AA-ACDU08ML-ACDUML-SA ¹¹ *	-	AA-ACD09ML-ACDML-SA ¹¹ *	-
AA-ACD07ML-ACDFL-SA ¹¹ *	-	AA-ACD08ML-ACDFL-SA ¹¹ *	-	AA-ACBU08ML-ACBUFL-SA ¹¹ *	-	AA-ACDU08ML-ACDUFL-SA ¹¹ *	-	AA-ACD09ML-ACDFL-SA ¹¹ *	-
-	AA-ACD07HL-ACDHL-SA ¹¹ *	-	AA-ACD08HL-ACDHL-SA ¹¹ *	-	AA-ACBU08HL-ACBUHL-SA ¹¹ *	-	AA-ACBD08HL-ACBDHL-SA ¹¹ *	-	AA-ACD09HL-ACDHL-SA ¹¹ *
-	AA-ACD07HL-ACDBL-SA ¹¹ *	-	AA-ACD08HL-ACDBL-SA ¹¹ *	-	AA-ACBU08HL-ACBUHL-SA ¹¹ *	-	AA-ACBD08HL-ACDBL-SA ¹¹ *	-	AA-ACD09HL-ACDBL-SA ¹¹ *
AA-ACD07ML-ACDFR-SA ¹¹ *	-	AA-ACD08ML-ACDFR-SA ¹¹ *	-	AA-ACBU08ML-ACBUFR-SA ¹¹ *	-	AA-ACBD08ML-ACBDFR-SA ¹¹ *	-	AA-ACD09ML-ACDFR-SA ¹¹ *	-
-	AA-ACD07HL-ACDBR-SA ¹¹ *	-	AA-ACD08HL-ACDBR-SA ¹¹ *	-	AA-ACBU08HL-ACBUBR-SA ¹¹ *	-	AA-ACBD08HL-ACBDBR-SA ¹¹ *	-	AA-ACD09HL-ACDBR-SA ¹¹ *

Panel Cut Out Assemble Style



No of Contacts	10		12	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	5A		5A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF: Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACD-10MMS-SC7001	ACD-10PMFS-SC7001	ACD-12PMMS-SC7001	ACD-12PMFS-SC7001
	180° PCB Type	1CD-10PMP-SC7001	1CD-10PMFP-SC7001	1CD-12PMP-SC7001	1CD-12PMFP-SC7001

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.8mm, (without cap) max. 4.0mm

	Solder Type	ACD-10RMS-SC7001	ACD-10RMFS-SC7001	ACD-12RMS-SC7001	ACD-12RMFS-SC7001
	180° PCB Type	1CD-10RMP-SC7001	1CD-10RMFP-SC7001	1CD-12RMP-SC7001	1CD-12RMFP-SC7001

Receptacle With Cable, **STRAIGHT**, IP67 (Unmated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾ | Recommended Panel Thickness: (with cap) max. 2.0mm, (without cap) max. 3.0mm

	UL2464, PVC Jacket	ACD-10PMMM-SL7A①	ACD-10PMFM-SL7A①	ACD-12PMMM-SL7A①	ACD-12PMFM-SL7A①
	Solder Type	ACD-10PMMMS-SC7001	ACD-10PMFMS-SC7001	ACD-12PMMMS-SC7001	ACD-12PMFMS-SC7001

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ACD-10BMMM-SL7A①*	ACD-10BMFM-SL7A①*	ACD-12BMMM-SL7A①*	ACD-12BMFM-SL7A①*
	Solder Type	ACD-10BMMMS-SC7001	ACD-10BMFMS-SC7001	ACD-12BMMMS-SC7001	ACD-12BMFMS-SC7001

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ACD-10BMMASL7001*	ACD-10BMFASL7001*	ACD-12BMMASL7001*	ACD-12BMFASL7001*
	Crimp Type	ACD-10BMMCSL7①PO*	ACD-10BMFCSL7①PO*	ACD-12BMMCSL7①PO*	ACD-12BMFCSL7①PO*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM




	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ACD10ML-ACDML-SA①*	-	AA-ACD12ML-ACDML-SA①*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACD10ML-ACDFL-SA①*	-	AA-ACD12ML-ACDFL-SA①*	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ACD10HL-ACDHL-SA①*	-	AA-ACD12HL-ACDHL-SA①*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ACD10HL-ACDBL-SA①*	-	AA-ACD12HL-ACDBL-SA①*
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACD10ML-ACDFR-SA①*	-	AA-ACD12ML-ACDFR-SA①*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ACD10HL-ACDBR-SA①*	-	AA-ACD12HL-ACDBR-SA①*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ACD10ML-ACDFR-SA①*	-	AA-ACD12ML-ACDFR-SA①*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ACD10HL-ACDBR-SA①*	-	AA-ACD12HL-ACDBR-SA①*

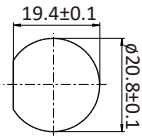
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

12		14			
250 ~ 600V		250 ~ 600V			
5A+2A		5A		5A+2A	
Plastic		Plastic			
MM	MF	MM	MF	MM	MF
					
ACDU-12PMMS-SC7001	ACDU-12PMFS-SC7001	ACD-14PMMS-SC7001	ACD-14PMFS-SC7001	ACDU-14PMMS-SC7001	ACDU-14PMFS-SC7001
1CDU-12PMMP-SC7001	1CDU-12PMFP-SC7001	1CD-14PMMP-SC7001	1CD-14PMFP-SC7001	1CDU-14PMMP-SC7001	1CDU-14PMFP-SC7001
-	-	ACD-14RMMS-SC7001	ACD-14RMFS-SC7001	-	-
-	-	ACD-14PMMM-SL7A 11	ACD-14PMFM-SL7A 11	-	-
ACDU-12BMMM-SL7A 11*	ACDU-12BMFM-SL7A 11*	ACD-14BMMM-SL7A 11*	ACD-14BMFM-SL7A 11*	ACDU-14BMMM-SL7A 11*	ACDU-14BMFM-SL7A 11*
ACDU-12BMMA-SL7001*	ACDU-12BMFA-SL7001*	ACD-14BMMA-SL7001*	ACD-14BMFA-SL7001*	ACDU-14BMMA-SL7001*	ACDU-14BMFA-SL7001*
ACDU-12BMMC-SL7 11 P0*	ACDU-12BMFC-SL7 11 P0*	-	ACD-14BMFC-SL7 11 P0*	ACDU-14BMMC-SL7 11 P0*	ACDU-14BMFC-SL7 11 P0*

AA-ACBD12ML-ACBDML-SA 11*	-	AA-ACD14ML-ACDML-SA 11*	-	AA-ACBD14ML-ACBDML-SA 11*	-
AA-ACBD12ML-ACBDFL-SA 11*	-	AA-ACD14ML-ACDFL-SA 11*	-	-	-
-	AA-ACDU12HL-ACDUHL-SA 11*	-	AA-ACD14HL-ACDHL-SA 11*	-	AA-ACDU14HL-ACDUHL-SA 11*
-	AA-ACDU12HL-ACDUBL-SA 11*	-	AA-ACD14HL-ACDBL-SA 11*	-	AA-ACDU14HL-ACDUBL-SA 11*
AA-ACDU12ML-ACDUFR-SA 11*	-	AA-ACD14ML-ACDFR-SA 11*	-	AA-ACDU14ML-ACDUFR-SA 11*	-
-	AA-ACDU12HL-ACDUBR-SA 11*	-	AA-ACD14HL-ACDBR-SA 11*	-	AA-ACDU14HL-ACDUBR-SA 11*

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

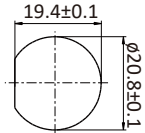
No of Contacts	2	3	4		
Rated Voltage (AC/DC)	250 ~ 600V	250 ~ 600V	250 ~ 600V		
Nominal Current	20A	20A	2A	10A	
Plastic / Metal	Plastic	Plastic	Plastic		
Pin Assignment	FF	FF	FF	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated) ① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACC-02BFFM-SL7A ①	ACC-03BFFM-SL7A ①	ACU-04BFFM-SL7A ①	ACB-04BFFM-SL7A ①
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated) ① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACC-02BFFM-SR7A ①*	ACC-03BFFM-SR7A ①*	ACU-04BFFM-SR7A ①*	ACB-04BFFM-SR7A ①*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated) ① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FL-ACCFL-SA ①	AA-ACC03FL-ACCFL-SA ①	AA-ACU04FL-ACUFL-SA ①	AA-ACB04FL-ACBFL-SA ①
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	-	-	AA-ACB04BL-ACBBL-SA ①
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated) ① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FR-ACCFR-SA ①*	AA-ACC03FR-ACCFR-SA ①*	AA-ACU04FR-ACUFR-SA ①*	AA-ACB04FR-ACBFR-SA ①*
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	-	-	AA-ACB04BR-ACBBR-SA ①*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated) ① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACC02FL-ACCFR-SA ①*	AA-ACC03FL-ACCFR-SA ①*	AA-ACU04FL-ACUFR-SA ①*	AA-ACB04FL-ACBFR-SA ①*
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	-	-	AA-ACB04BL-ACBBR-SA ①*
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated) Sealing Nut Torque Value: 8 ~ 15 kgf.cm ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm					
	Solder Type	ACC-02BFFA-SL7001	ACC-03BFFA-SL7001	ACU-04BFFA-SL7001	ACB-04BFFA-SL7001
	NEW Crimp Type	ACC-02BFFC-SL7 ① P0	ACC-03BFFC-SL7 ① P0	ACU-04BFFC-SL7 ① P0*	ACB-04BFFC-SL7 ① P0
	Crimp Type	ACC-02BFFB-SL7 ① P0*	ACC-03BFFB-SL7 ① P0*	-	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

5		6		7		8	
250 ~ 600V		250 ~ 600V		250 ~ 600V		250 ~ 600V	
10A		10A		5A		5A	
Plastic		Plastic		Plastic		Plastic	
FF	FM	FF	FM	FF	FM	FF	FM
ACB-05BFFM-SL7A 11	ACB-05BFMM-SL7A 11	ACB-06BFFM-SL7A 11	ACB-06BFMM-SL7A 11	ACD-07BFFM-SL7A 11	ACD-07BFMM-SL7A 11	ACD-08BFFM-SL7A 11	ACD-08BFMM-SL7A 11
ACB-05BFFM-SR7A 11*	ACB-05BFMM-SR7A 11*	ACB-06BFFM-SR7A 11*	ACB-06BFMM-SR7A 11*	ACD-07BFFM-SR7A 11*	ACD-07BFMM-SR7A 11*	ACD-08BFFM-SR7A 11*	ACD-08BFMM-SR7A 11*
AA-ACB05FL-ACBFL-SA 11	-	AA-ACB06FL-ACBFL-SA 11	-	AA-ACD07FL-ACDFL-SA 11	-	AA-ACD08FL-ACDFL-SA 11	-
-	AA-ACB05BL-ACBBL-SA 11	-	AA-ACB06BL-ACBBL-SA 11	-	AA-ACD07BL-ACDBL-SA 11	-	AA-ACD08BL-ACDBL-SA 11
AA-ACB05FR-ACBFR-SA 11*	-	AA-ACB06FR-ACBFR-SA 11*	-	AA-ACD07FR-ACDFR-SA 11*	-	AA-ACD08FR-ACDFR-SA 11*	-
-	-	-	-	-	AA-ACD07BR-ACDBR-SA 11*	-	AA-ACD08BR-ACDBR-SA 11*
AA-ACB05FL-ACBFR-SA 11*	-	AA-ACB06FL-ACBFR-SA 11*	-	AA-ACD07FL-ACDFR-SA 11*	-	AA-ACD08FL-ACDFR-SA 11*	-
-	AA-ACB05BL-ACBFR-SA 11*	-	AA-ACB06BL-ACBFR-SA 11*	-	AA-ACD07BL-ACDBR-SA 11*	-	AA-ACD08BL-ACDBR-SA 11*
ACB-05BFFA-SL7001	ACB-05BFMA-SL7001	ACB-06BFFA-SL7001	ACB-06BFMA-SL7001	ACD-07BFFA-SL7001	ACD-07BFMA-SL7001	ACD-08BFFA-SL7001	ACD-08BFMA-SL7001
ACB-05BFFC-SL7 11 P0	ACB-05BFMC-SL7 11 P0	ACB-06BFFC-SL7 11 P0	ACB-06BFMC-SL7 11 P0	ACD-07BFFC-SL7 11 P0	ACD-07BFMC-SL7 11 P0	ACD-08BFFC-SL7 11 P0	ACD-08BFMC-SL7 11 P0
-	-	-	-	-	-	-	-

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

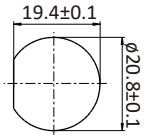
No of Contacts	8				
Rated Voltage (AC/DC)	250 ~ 600V				
Nominal Current	10A+2A		10A+5A		
Plastic / Metal	Plastic				
Pin Assignment	FF	FM	FF	FM	
FF: Female Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACBU-08BFFM-SL7A ⑪*	ACBU-08BFMM-SL7A ⑪*	ACBD-08BFFM-SL7A ⑪	ACBD-08BFMM-SL7A ⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACBU-08BFFM-SR7A ⑪*	ACBU-08BFMM-SR7A ⑪*	ACBD-08BFFM-SR7A ⑪*	ACBD-08BFMM-SR7A ⑪*
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACBU08FL-ACBUFL-SA ⑪*	-	AA-ACBD08FL-ACBDFL-SA ⑪	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACBU-08BL-ACBUBL-SA ⑪	-	AA-ACBD08BL-ACBDL-SA ⑪
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACBU08FR-ACBUFR-SA ⑪*	-	AA-ACBD08FR-ACBDFR-SA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACBU08BR-ACBUBR-SA ⑪*	-	AA-ACBD08BR-ACBDBR-SA ⑪*
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACBU08FL-ACBUFR-SA ⑪*	-	AA-ACBD08FL-ACBDFR-SA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACBU08BL-ACBUBR-SA ⑪*	-	AA-ACBD08BL-ACBDBR-SA ⑪*
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm ⑪ Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm					
	Solder Type	ACBU-08BFFA-SL7001*	ACBU-08BFMA-SL7001*	ACBD-08BFFA-SL7001	ACBD-08BFMA-SL7001
	Crimp Type	ACBU-08BFFC-SL7 ⑪ P0*	ACBU-08BFMC-SL7 ⑪ P0*	ACBD-08BFFC-SL7 ⑪ P0	ACBD-08BFMC-SL7 ⑪ P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

9		10		12			
250 ~ 600V		250 ~ 600V		250 ~ 600V			
5A		5A		5A		5A+2A	
Plastic		Plastic		Plastic			
FF	FM	FF	FM	FF	FM	FF	FM
ACD-09BFFM-SL7A 11	ACD-09BFMM-SL7A 11	ACD-10BFFM-SL7A 11	ACD-10BFMM-SL7A 11	ACD-12BFFM-SL7A 11	ACD-12BFMM-SL7A 11	ACDU-12BFFM-SL7A 11	ACDU-12BFMM-SL7A 11
ACD-09BFFM-SR7A 11 *	ACD-09BFMM-SR7A 11 *	ACD-10BFFM-SR7A 11 *	ACD-10BFMM-SR7A 11 *	ACD-12BFFM-SR7A 11 *	ACD-12BFMM-SR7A 11 *	ACDU-12BFFM-SR7A 11 *	ACDU-12BFMM-SR7A 11 *
AA-ACD09FL-ACDFL-SA 11	-	AA-ACD10FL-ACDFL-SA 11	-	AA-ACD12FL-ACDFL-SA 11	-	AA-ACDU12FL-ACDFL-SA 11	-
-	AA-ACD09BL-ACDBL-SA 11	-	AA-ACD10BL-ACDBL-SA 11	-	AA-ACD12BL-ACDBL-SA 11	-	AA-ACDU12BL-ACDBL-SA 11
AA-ACD09FR-ACDFR-SA 11 *	-	AA-ACD10FR-ACDFR-SA 11 *	-	AA-ACD12FR-ACDFR-SA 11 *	-	AA-ACDU12FR-ACDFR-SA 11 *	-
-	AA-ACD09BR-ACDBR-SA 11 *	-	AA-ACD10BR-ACDBR-SA 11 *	-	AA-ACD12BR-ACDBR-SA 11 *	-	AA-ACDU12BR-ACDBR-SA 11 *
AA-ACD09FL-ACDFR-SA 11 *	-	AA-ACD10FL-ACDFR-SA 11 *	-	AA-ACD07FL-ACDFR-SA 11 *	-	AA-ACDU12FL-ACDFR-SA 11 *	-
-	AA-ACD09BL-ACDBR-SA 11 *	-	AA-ACD10BL-ACDBR-SA 11 *	-	AA-ACD07BL-ACDBR-SA 11 *	-	AA-ACDU12BL-ACDBR-SA 11 *
ACD-09BFFA-SL7001	ACD-09BFMA-SL7001	ACD-10BFFA-SL7001	ACD-10BFMA-SL7001	ACD-12BFFA-SL7001	ACD-12BFMA-SL7001	ACDU-12BFFA-SL7001	ACDU-12BFMA-SL7001
ACD-09BFFC-SL7 11 P0	ACD-09BFMC-SL7 11 P0	ACD-10BFFC-SL7 11 P0	ACD-10BFMC-SL7 11 P0	ACD-12BFFC-SL7 11 P0	ACD-12BFMC-SL7 11 P0	ACDU-12BFFC-SL7 11 P0 *	ACBU-12BFMC-SL7 11 P0 *

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

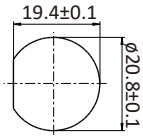
(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts	14				
Rated Voltage (AC/DC)	250 ~ 600V				
Nominal Current	5A		5A+2A		
Plastic / Metal	Plastic				
Pin Assignment	FF	FM	FF	FM	
FF: Female Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACD-14BFFM-SL7A ⑪	ACD-14BFMM-SL7A ⑪	ACDU-14BFFM-SL7A ⑪	ACDU-14BFMM-SL7A ⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ACD-14BFFM-SR7A ⑪*	ACD-14BFMM-SR7A ⑪*	ACDU-14BFFM-SR7A ⑪*	ACDU-14BFMM-SR7A ⑪*
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD14FL-ACDFL-SA ⑪	-	AA-ACDU14FL-ACDUFL-SA ⑪	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD14BL-ACDBL-SA ⑪	-	AA-ACDU14BL-ACDUBL-SA ⑪
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD14FR-ACDFR-SA ⑪*	-	AA-ACDU14FR-ACDUFR-SA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD14BR-ACDBR-SA ⑪*	-	AA-ACDU14BR-ACDUBR-SA ⑪*
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ACD14FL-ACDFR-SA ⑪*	-	AA-ACDU14FL-ACDUFR-SA ⑪*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ACD14BL-ACDBR-SA ⑪*	-	AA-ACDU14BL-ACDUBR-SA ⑪*
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm ⑪ Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm					
	Solder Type	ACD-14BFFA-SL7001	ACD-14BFMA-SL7001	ACDU-14BFFA-SL7001	ACDU-14BFMA-SL7001
	Crimp Type	ACD-14BFFC-SL7 ⑪ P0	ACD-14BFMC-SL7 ⑪ P0	ACDU-14BFFC-SL7 ⑪ P0*	ACBU-14BFMC-SL7 ⑪ P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder
(S) Receptacle

(A) Field Serviceable/Installable



Crimp

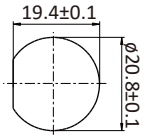
(C) Field Serviceable/Installable

No of Contacts	8	
Rated Voltage (AC/DC)	250 ~ 600V	
Nominal Current	10A+2A	
Plastic / Metal	Plastic	
Pin Assignment	Males / Female Conn. Hybrid (Power+Signal) Contact	
MM: Male Connector Male Contact	(D) Female Power+Male Signal	
FF: Female Connector Female Contact	(E) Male Power+Female Signal	
MF: Male Connector Female Contact		
FM: Female Connector Male Contact		
Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated) Nut Torque Value: 11.5 ~ 14 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm		
	Solder Type Male Power+Female Signal	ACBU-08PMES-TC7001
	Solder Type Female Power+Male Signal	ACBU-08PMDs-TC7001
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated) Cable Length: (01) 1M ~ (99) 99M ¹⁾		
	UL2464, PVC Jacket Male Power+Female Signal	ACBU-08BMEM-TL7A ¹¹⁾ *
	UL2464, PVC Jacket Female Power+Male Signal	ACBU-08BMDM-TL7A ¹¹⁾ *
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾		
	End 1: (V) Male Conn Male Power Female Signal Contact End 2: (V) Male Conn Male Power Female Signal Contact	AA-ACBU08VL-ACBUVL-TA ¹¹⁾ *
	End 1: (U) Male Conn Female Power Male Signal Contact End 2: (U) Male Conn Female Power Male Signal Contact	AA-ACBU08UL-ACBUUL-TA ¹¹⁾ *
	End 1: (V) Male Conn Male Power Female Signal Contact End 2: (W) Female Conn Female Power Male Signal Contact	AA-ACBU08VL-ACBUWL-TA ¹¹⁾ *
	End 1: (U) Male Conn Female Power Male Signal Contact End 2: (X) Female Conn Male Power Female Signal Contact	AA-ACBU08UL-ACBUXL-TA ¹¹⁾ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾		
	End 1: (V) Male Conn Male Power Female Signal Contact End 2: (W) Female Conn Female Power Male Signal Contact	AA-ACBU08VL-ACBUWR-TA ¹¹⁾ *
	End 1: (U) Male Conn Female Power Male Signal Contact End 2: (X) Female Conn Male Power Female Signal Contact	AA-ACBU08UL-ACBUXR-TA ¹¹⁾ *
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated) Sealing Nut Torque Value: 8 ~ 15 kgf.cm Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm		
	Solder Type Male Power+Female Signal	ACBU-08BMEA-TL7001*
	Solder Type Female Power+Male Signal	ACBU-08BMEC-TL7 ¹¹⁾ P0*
	Crimp Type Male Power+Female Signal	ACBU-08BMdA-TL7001*
	Crimp Type Female Power+Male Signal	ACBU-08BMdC-TL7 ¹¹⁾ P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out Assemble Style



Circular Flange (D Cut)



Solder



Crimp

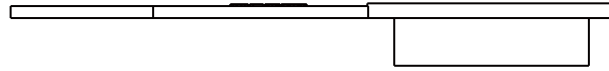
(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts	8	
Rated Voltage (AC/DC)	250 ~ 600V	
Nominal Current	10A+2A	
Plastic / Metal	Plastic	
Pin Assignment	Males / Female Conn. Hybrid (Power+Signal) Contact	
MM: Male Connector Male Contact (D) Female Power+Male Signal FF: Female Connector Female Contact (E) Male Power+Female Signal MF: Male Connector Female Contact FM: Female Connector Male Contact		
Receptacle With Cable, STRAIGHT , IP67 (Unmated) ⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾		
	UL2464, PVC Jacket Male Power+Female Signal	ACBU-08BFDM-TL7A ⑪
	UL2464, PVC Jacket Female Power+Male Signal	ACBU-08BFEM-TL7A ⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated) ⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾		
	UL2464, PVC Jacket Male Power+Female Signal	ACBU-08BFDM-TR7A ⑪*
	UL2464, PVC Jacket Female Power+Male Signal	ACBU-08BFEM-TR7A ⑪*
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated) ⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾		
	End 1: (W) Female Conn Female Power Male Signal Contact End 2: (W) Female Conn Female Power Male Signal Contact	AA-ACBU08WL-ACBUWL-TA ⑪
	End 1: (X) Female Conn Male Power Female Signal Contact End 2: (X) Female Conn Male Power Female Signal Contact	AA-ACBU08XL-ACBUXL-TA ⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated) ⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾		
	End 1: (W) Female Conn Female Power Male Signal Contact End 2: (W) Female Conn Female Power Male Signal Contact	AA-ACBU08WR-ACBUWR-TA ⑪*
	End 1: (X) Female Conn Male Power Female Signal Contact End 2: (X) Female Conn Male Power Female Signal Contact	AA-ACBU08XR-ACBUXR-TA ⑪*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated) ⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾		
	End 1: (W) Female Conn Female Power Male Signal Contact End 2: (W) Female Conn Female Power Male Signal Contact	AA-ACBU08WL-ACBUWR-TA ⑪*
	End 1: (X) Female Conn Male Power Female Signal Contact End 2: (X) Female Conn Male Power Female Signal Contact	AA-ACBU08XL-ACBUXR-TA ⑪*
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated) Sealing Nut Torque Value: 8 ~ 15 kgf.cm ⑪ Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm		
	Solder Type Male Power+Female Signal	ACBU-08BFDA-TL7001
	Solder Type Female Power+Male Signal	ACBU-08BFEA-TL7001
	Crimp Type Male Power+Female Signal	ACBU-08BFDC-TL7 ⑪ P0*
	Crimp Type Female Power+Male Signal	ACBU-08BFEC-TL7 ⑪ P0*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Dust Cap



With Rubber Lead

Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Middle Size	Receptacle	Cover	Male	With Rubber Lead	CAP-DACMDPC1
			Female	With Rubber Lead	CAP-DACFDCC1

Dummy Cap



Size	Mating Part	Mating Style	Part Number
Middle Size	For Enclosure	Screw Thread	CAP-CACFSBA1

Wrench



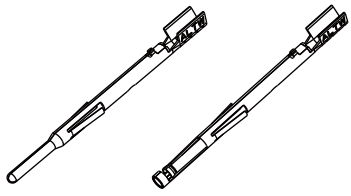
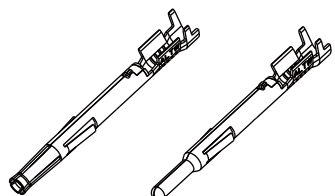
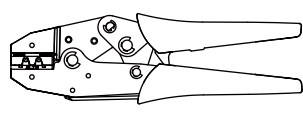
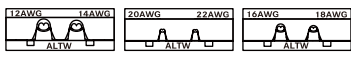
Part Number: TOL-152501
TOL-152502

Waterproof Cap

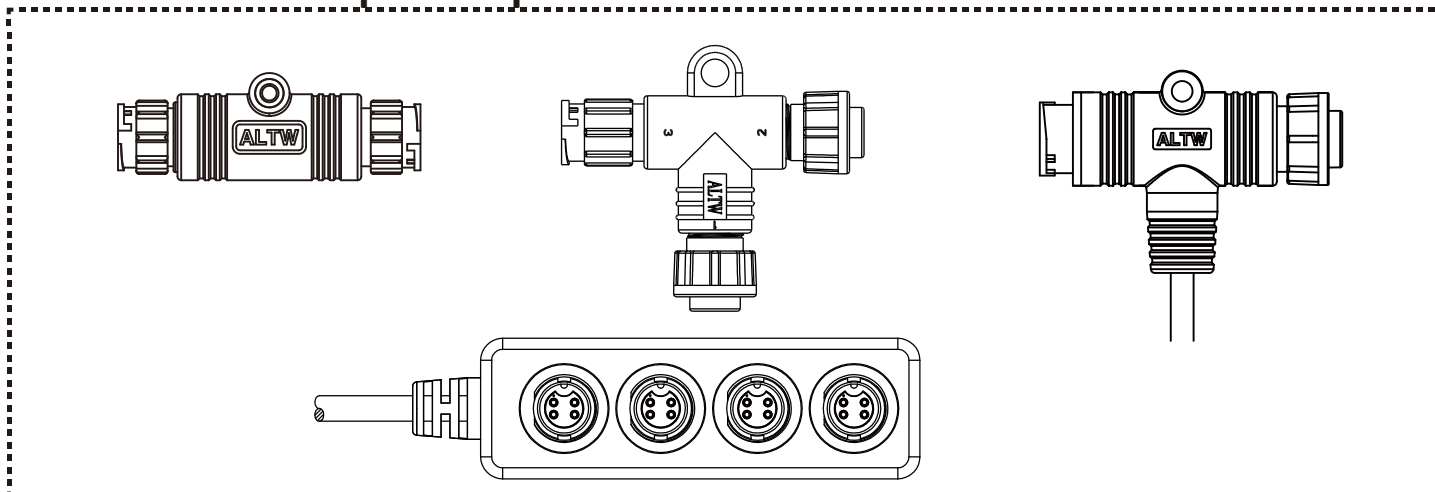
For Mating with Male Connector				
	None	With Rubber Lead	With Chain	With Fish Line
	For Mating with Female Connector			
		None	With Rubber Lead	With Chain

Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Middle Size	Receptacle	Screw Thread	Male	With Chain	CAP-WACMSPB1
		Screw Thread	Male	With Rubber Lead	CAP-WACMSPC1
		2 Points Lock	Male	With Chain	CAP-WACMLPB1
		2 Points Lock	Female	With Chain	CAP-WACFLPB1
		2 Points Lock	Female	With Rubber Lead	CAP-WACFLPC1
	Overmolded With Cable & Field Installable	Screw Thread	Male	None	CAP-WACMSMA1
		Screw Thread	Male	With Fish Line	CAP-WACMSPD1
		2 Points Lock	Male	None	CAP-WACMLMA1
		2 Points Lock	Male	None	CAP-WACMLPC1
		2 Points Lock	Female	None	CAP-WACFLMA1

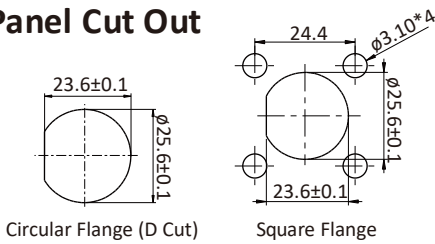
Contacts & Crimp Tool

				
5A		10A/20A		
		Crimp Tool		
Nominal Current	Contact Gender	Part Number	Packages ⁶	Crimp Tool
5A	Male	ASSP-05-M-A-C- ⁶	(SA) 50pcs / Box (SB) 100pcs / Box (RE) 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	ASST-C-05-W-A (22 ~ 20AWG 0.34 ~ 0.50mm ²)
	Female	ASSP-05-F-A-C- ⁶		ASST-C-10-W-B (18 ~ 16AWG 1.50 ~ 0.75mm ²)
10A	Male	ASSP-10-M-A-C- ⁶		ASST-C-20-W-C (14 ~ 12AWG 2.50 ~ 4.00mm ²)
	Female	ASSP-10-F-A-C- ⁶		
20A	Male	ASSP-20-M-A-C- ⁶		
	Female	ASSP-20-F-A-C- ⁶		

Customization - Upon Request



Panel Cut Out



Assemble Style



PCB 180°
(P) Receptacle



Solder
(S) Receptacle
(A) Field Serviceable/Installable



Crimp
(C) Field Serviceable/Installable



Screw In
(B) Field Serviceable/Installable

No of Contacts	2		3	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	20A		20A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-02PMM S-LC7001	-	ADC-03PMM S-LC7001	-
	180° PCB Type	1DC-02PMM P-LC7001	1DC-02PMFP-LC7001	1DC-03PMM P-LC7001	1DC-03PMFP-LC7001

Receptacle, Square Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-02PMM S-LS7001	-	ADC-03PMM S-LS7001	-
	180° PCB Type	1DC-02PMM P-LS7001	-	1DC-03PMM P-LS7001	-

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-02RMM S-LC7001	-	ADC-03RMM S-LC7001	-
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADC-02BMMM-LL7A ①*	ADC-02BMFM-LL7A ①*	ADC-03BMMM-LL7A ①*	ADC-03BMFM-LL7A ①*
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	(Solder) NEW Solder Type	ADC-02BMM A-LL7001*	ADC-02BMF A-LL7001*	ADC-03BMM A-LL7001*	ADC-03BMF A-LL7001*
	Crimp Type	ADC-02BMM C-LL7 ① P0*	ADC-02BMF C-LL7 ① P0*	ADC-03BMM C-LL7 ① P0*	ADC-03BMF C-LL7 ① P0*
	(Screw-in, Crimp) Screw In Type	1DC-02BMM B-LL7 ① PP	1DC-02BMF B-LL7 ① PP	1DC-03BMM B-LL7 ① PP	1DC-03BMF B-LL7 ① PP

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

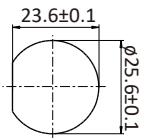
	(M) End1: Male Conn Male Contact (M) End2: Male Conn Male Contact	AA-ADC02ML-ADCML-LA ①*	-	AA-ADC03ML-ADCML-LA ①*	-
	(M) End1: Male Conn Male Contact (F) End2: Female Conn Female Contact	AA-ADC02ML-ADCFL-LA ①*	-	AA-ADC03ML-ADCFL-LA ①*	-
	(H) End1: Male Conn Female Contact (H) End2: Male Conn Female Contact	-	AA-ADC02HL-ADCHL-LA ①*	-	AA-ADC03HL-ADCHL-LA ①*
	(H) End1: Male Conn Female Contact (B) End2: Female Conn Male Contact	-	AA-ADC02HL-ADCBL-LA ①*	-	AA-ADC03HL-ADCBL-LA ①*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

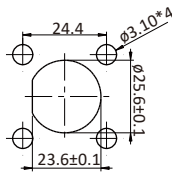
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	(M) End1: Male Conn Male Contact (F) End2: Female Conn Female Contact	AA-ADC02ML-ADCFR-LA ①*	-	AA-ADC03ML-ADCFR-LA ①*	-
	(H) End1: Male Conn Female Contact (B) End2: Female Conn Male Contact	-	AA-ADC02HL-ADCBR-LA ①*	-	AA-ADC03HL-ADCBR-LA ①*

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style



PCB 180°
(P) Receptacle



Solder
(S) Receptacle
(A) Field Serviceable/Installable



Crimp
(C) Field Serviceable/Installable



Screw In
(B) Field Serviceable/Installable

No of Contacts	4		5	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	20A		20A	
Plastic / Metal	Plastic		Plastic	
Pin Assignment	MM	MF	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-04PMMMS-LC7001	-	ADC-05PMMMS-LC7001	-
	180° PCB Type	1DC-04PMP-P-LC7001	1DC-04PMFP-LC7001	1DC-05PMP-P-LC7001	1DC-05PMFP-LC7001

Receptacle, Square Flange, **FRONT** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-04PMMMS-LS7001	-	ADC-05PMMMS-LS7001	-
	180° PCB Type	1DC-04PMP-P-LS7001	-	1DC-05PMP-P-LS7001	-

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-04RMMMS-LC7001	-	ADC-05RMMMS-LC7001	-
	180° PCB Type	-	-	-	-

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADC-04BMMM-LL7A①*	ADC-04BMFM-LL7A①*	ADC-05BMMM-LL7A①*	ADC-05BMFM-LL7A①*
	[Hybrid] UL2464, PVC Jacket Male Power+Female Signal	-	-	-	-
	[Hybrid] UL2464, PVC Jacket Female Power+Male Signal	-	-	-	-

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	(Solder) Solder Type	ADC-04BMMMA-LL7001*	ADC-04BMFMA-LL7001*	ADC-05BMMMA-LL7001*	ADC-05BMFMA-LL7001*
	(Screw-in, Crimp) Crimp Type	ADC-04BMMMC-LL7①P0*	ADC-04BMFMC-LL7①P0*	ADC-05BMMMC-LL7①P0*	ADC-05BMFMC-LL7①P0*
	Screw In Type	1DC-04BMMB-LL7①PP	1DC-04BMFB-LL7①PP	1DC-05BMMB-LL7①PP	1DC-05BMFB-LL7①PP

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	(M) End1: Male Conn Male Contact (M) End2: Male Conn Male Contact	AA-ADC04ML-ADCML-LA①*	-	AA-ADC05ML-ADCML-LA①*	-
	(M) End1: Male Conn Male Contact (F) End2: Female Conn Female Contact	AA-ADC04ML-ADCFL-LA①*	-	AA-ADC05ML-ADCFL-LA①*	-
	(H) End1: Male Conn Female Contact (H) End2: Male Conn Female Contact	-	AA-ADC04HL-ADCHL-LA①*	-	AA-ADC05HL-ADCHL-LA①*
	(H) End1: Male Conn Female Contact (B) End2: Female Conn Male Contact	-	AA-ADC04HL-ADCBL-LA①*	-	AA-ADC05HL-ADCBL-LA①*
	(F) End1: Female Conn Female Contact (M) End2: Male Conn Male Contact	-	-	-	-
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	-	-	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

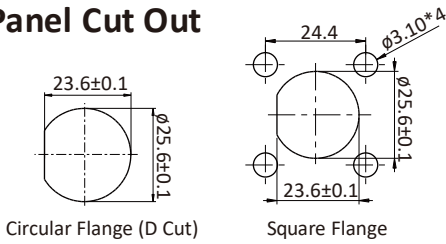
	(M) End1: Male Conn Male Contact (F) End2: Female Conn Female Contact	AA-ADC04ML-ADCFR-LA①*	-	AA-ADC05ML-ADCFR-LA①*	-
	(H) End1: Male Conn Female Contact (B) End2: Female Conn Male Contact	-	AA-ADC04HL-ADCBR-LA①*	-	AA-ADC05HL-ADCBR-LA①*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

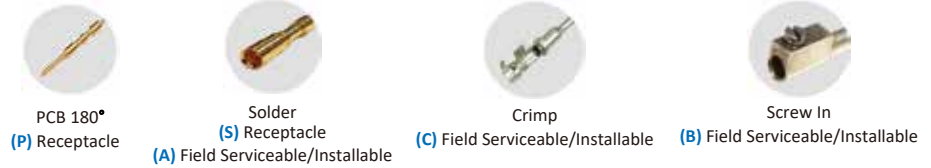
6		7		18		20	21	22
250 ~ 600V		250 ~ 600V		250 ~ 600V		250 ~ 600V	250 ~ 600V	250 ~ 600V
20A		20A		5A		2A	2A	2A
Plastic		Plastic		Plastic		Plastic	Plastic	Plastic
MM	MF	MM	MF	MM	MF	MM	MM	MM
ADC-06PMMS-LC7001	-	ADC-07PMMS-LC7001	-	ADD-18PMMS-LC7001	ADD-18PMFS-LC7001	ADU-20PMMS-LC7001	ADU-21PMMS-LC7001	ADU-22PMMS-LC7001
1DC-06PMMP-LC7001	1DC-06PMFP-LC7001	1DC-07PMMP-LC7001	1DC-07PMFP-LC7001	1DD-18PMMP-LC7001	1DD-18PMFP-LC7001	1DU-20PMMP-LC7001	1DU-21PMMP-LC7001	1DU-22PMMP-LC7001
ADC-06PMMS-LS7001	-	ADC-07PMMS-LS7001	-	ADD-18PMMS-LS7001	ADD-18PMFS-LS7001	-	-	-
1DC-06PMMP-LS7001	-	1DC-07PMMP-LS7001	-	1DD-18PMMP-LS7001	1DD-18PMFP-LS7001	-	-	-
ADC-06RMMMS-LC7001	-	ADC-07RMMMS-LC7001	-	ADD-18RMMMS-LC7001	ADD-18RMFS-LC7001	-	-	-
ADC-06BMMM-LL7A(11)*	ADC-06BMFM-LL7A(11)*	ADC-07BMMM-LL7A(11)*	ADC-07BMFM-LL7A(11)*	ADD-18BMMM-LL7A(11)	ADD-18BMFM-LL7A(11)	ADU-20BMMM-LL7A(11)*	ADU-21BMMM-LL7A(11)*	ADU-22BMMM-LL7A(11)*
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
ADC-06BMMMA-LL7001*	ADC-06BMFA-LL7001*	ADC-07BMMMA-LL7001*	ADC-07BMFA-LL7001*	ADD-18BMMMA-LL7001	ADD-18BMFA-LL7001	ADU-20BMMMA-LL7001*	ADU-21BMMMA-LL7001*	ADU-22BMMMA-LL7001*
ADC-06BMMCLL7(11)P0*	ADC-06BMFCLL7(11)P0*	ADC-07BMMCLL7(11)P0*	ADC-07BMFCLL7(11)P0*	ADD-18BMMCLL7(11)P0*	ADD-18BMFCLL7(11)P0	ADU-20BMMCLL7(11)P0*	ADU-21BMMCLL7(11)P0*	ADU-22BMMCLL7(11)P0*
1DC-06BMMBLL7(11)PP	1DC-06BMFBLL7(11)PP	1DC-07BMMBLL7(11)PP	1DC-07BMFBLL7(11)PP	-	-	-	-	-

AA-ADC06ML-ADCML-LA(11)*	-	AA-ADC07ML-ADCML-LA(11)*	-	AA-ADD18ML-ADDML-LA(11)	-	AA-ADU20ML-ADUML-LA(11)*	AA-ADU21ML-ADUML-LA(11)*	AA-ADU22ML-ADUML-LA(11)*
AA-ADC06ML-ADCFL-LA(11)*	-	AA-ADC07ML-ADCFL-LA(11)*	-	AA-ADD18ML-ADDFL-LA(11)	-	AA-ADU20ML-ADUFL-LA(11)*	AA-ADU21ML-ADUFL-LA(11)*	AA-ADU22ML-ADUFL-LA(11)*
-	AA-ADC06HL-ADCHL-LA(11)*	-	AA-ADC07HL-ADCHL-LA(11)*	-	AA-ADD18HL-ADDHL-LA(11)	-	-	-
-	AA-ADC06HL-ADCBL-LA(11)*	-	AA-ADC07HL-ADCBL-LA(11)*	-	AA-ADD18HL-ADDBL-LA(11)	-	-	-
AA-ADC06ML-ADCFR-LA(11)*	-	AA-ADC07ML-ADCFR-LA(11)*	-	AA-ADD18ML-ADDFR-LA(11)	-	AA-ADU20ML-ADUFR-LA(11)*	AA-ADU21ML-ADUFR-LA(11)*	AA-ADU22ML-ADUFR-LA(11)*
-	AA-ADC06HL-ADCBR-LA(11)*	-	AA-ADC07HL-ADCBR-LA(11)*	-	AA-ADD18HL-ADDBR-LA(11)*	-	-	-

Panel Cut Out



Assemble Style



No of Contacts		8	10	12
Rated Voltage (AC/DC)		250 ~ 600V	250 ~ 600V	250 ~ 600V
Nominal Current		20A+2A	10A	20A+5A
Plastic / Metal		Plastic	Plastic	Plastic
Pin Assignment				
MM : Male Connector Male Contact FF : Female Connector Female Contact (D) Female Power+Male Signal (E) Male Power+Female Signal				
Receptacle, Circular Flange, FRONT Fastened Nut, IP67 (Unmated) Nut Torque Value: 11.5 ~ 14 kgf.cm Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm				
	[Hybrid] Solder Type Male Power+Female Signal	ADCU-08PMES-LC7001	-	ADCD-12PMES-LC7001
	[Hybrid] Solder Type Female Power+Male Signal	ADCU-08PMD5-LC7001	-	ADCD-12PMD5-LC7001
	[Hybrid] 180° PCB Type Female Power+Male Signal	-	-	1DCD-12PMDP-LC7001
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated) Cable Length: (01) 1M ~ (99) 99M ¹⁾				
	UL2464, PVC Jacket	-	ADB-10BMMM-LL7A ¹⁾	-
	[Hybrid] UL2464, PVC Jacket Male Power+Female Signal	ADCU-08B MEM-LL7B ¹⁾	-	ADCD-12B MEM-LL7A ¹⁾
	[Hybrid] UL2464, PVC Jacket Female Power+Male Signal	ADCU-08B MDM-LL7B ¹⁾	-	ADCD-12B MDM-LL7A ¹⁾
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF				
	(M) End1: Male Conn Male Contact	-	AA-ADB10ML-ADBML-LA ¹⁾	-
	(M) End2: Male Conn Male Contact	-	AA-ADB10ML-ADBFL-LA ¹⁾	-
	(V) End 1: Male Conn Male Power Female Signal Contact	AA-ADCU08VL-ADCUVL-LA ¹⁾ *	-	AA-ADCD12VL-ADCDVL-TA ¹⁾
	(V) End 2: Male Conn Male Power Female Signal Contact	AA-ADCU08VL-ADCUVL-LA ¹⁾ *	-	AA-ADCD12VL-ADCDVL-TA ¹⁾
	(U) End 1: Male Conn Female Power Male Signal Contact	AA-ADCU08UL-ADCUUL-LA ¹⁾	-	AA-ADCD12UL-ADCDUL-LA ¹⁾
	(U) End 2: Male Conn Female Power Male Signal Contact	AA-ADCU08UL-ADCUUL-LA ¹⁾	-	AA-ADCD12UL-ADCDUL-LA ¹⁾
	(X) End 2: Female Conn Male Power Female Signal Contact	AA-ADCU08UL-ADCUXL-LA ¹⁾	-	AA-ADCD12UL-ADCDXL-LA ¹⁾
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF				
	(M) End1: Male Conn Male Contact	-	AA-ADB10ML-ADBFR-LA ¹⁾ *	-
	(F) End2: Female Conn Female Contact	-	AA-ADB10ML-ADBFR-LA ¹⁾ *	-
	(V) End 1: Male Conn Male Power Female Signal Contact	AA-ADCU08VL-ADCUWR-LA ¹⁾ *	-	AA-ADCD12VL-ADCDWR-TA ¹⁾
	(W) End 2: Female Conn Female Power Male Signal Contact	AA-ADCU08VL-ADCUWR-LA ¹⁾ *	-	AA-ADCD12VL-ADCDWR-TA ¹⁾
	(U) End 1: Male Conn Female Power Male Signal Contact	AA-ADCU08UL-ADCUXR-LA ¹⁾ *	-	AA-ADCD12UL-ADCDXR-LA ¹⁾
	(X) End 2: Female Conn Male Power Female Signal Contact	AA-ADCU08UL-ADCUXR-LA ¹⁾ *	-	AA-ADCD12UL-ADCDXR-LA ¹⁾
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated) Sealing Nut Torque Value: 8 ~ 15 kgf.cm Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm				
	Solder Type	-	ADB-10BMMMA-LL7001*	-
	[Hybrid] Solder Type Male Power+Female Signal	ADCU-08BMEA-LL7001	-	ADCD-12BMEA-LL7001
	[Hybrid] Solder Type Female Power+Male Signal	ADCU-08BMDA-LL7001	-	ADCD-12BMDA-LL7001
	Crimp Type	-	ADB-10BMMC-LL7 ¹⁾ P0*	-
	[Hybrid] Crimp Type Female Power+Male Signal	ADCU-08BMDC-LL7 ¹⁾ P0*	-	ADCD-12BMDC-LL7 ¹⁾ P0*
	[Hybrid] Crimp Type Male Power+Female Signal	ADCU-08BMEC-LL7 ¹⁾ P0*	-	ADCD-12BMEC-LL7 ¹⁾ P0

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

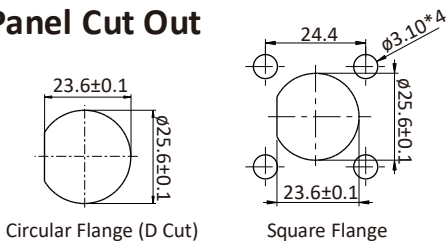
* Upon Request

No of Contacts		2	3		
Rated Voltage (AC/DC)		250 ~ 600V	250 ~ 600V		
Nominal Current		20A	20A		
Plastic / Metal		Plastic	Plastic		
Pin Assignment		FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-02BFFM-LL7A ⑪	ADC-02BFMM-LL7A ⑪*	ADC-03BFFM-LL7A ⑪	ADC-03BFMM-LL7A ⑪*
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-02BFFM-LR7A ⑪*	ADC-02BFMM-LR7A ⑪*	ADC-03BFFM-LR7A ⑪*	ADC-03BFMM-LR7A ⑪*
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	(F) End1: Female Conn Female Contact	AA-ADC02FL-ADCFL-LA ⑪	-	AA-ADC03FL-ADCFL-LA ⑪	-
	(F) End2: Female Conn Female Contact	-	AA-ADC02BL-ADCBL-LA ⑪*	-	AA-ADC03BL-ADCBL-LA ⑪*
	(B) End1: Female Conn Male Contact	-	AA-ADC02BL-ADCBL-LA ⑪*	-	AA-ADC03BL-ADCBL-LA ⑪*
	(B) End2: Female Conn Male Contact	-	-	-	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	(F) End1: Female Conn Female Contact	AA-ADC02FR-ADCFR-LA ⑪*	-	AA-ADC03FR-ADCFR-LA ⑪*	-
	(F) End2: Female Conn Female Contact	-	AA-ADC02BR-ADCBR-LA ⑪*	-	AA-ADC03BR-ADCBR-LA ⑪*
	(B) End1: Female Conn Male Contact	-	AA-ADC02BR-ADCBR-LA ⑪*	-	AA-ADC03BR-ADCBR-LA ⑪*
	(B) End2: Female Conn Male Contact	-	-	-	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	(F) End1: Female Conn Female Contact	AA-ADC02FL-ADCFR-LA ⑪*	-	AA-ADC03FL-ADCFR-LA ⑪*	-
	(F) End2: Female Conn Female Contact	-	AA-ADC02BL-ADCBR-LA ⑪*	-	AA-ADC03BL-ADCBR-LA ⑪*
	(B) End1: Female Conn Male Contact	-	AA-ADC02BL-ADCBR-LA ⑪*	-	AA-ADC03BL-ADCBR-LA ⑪*
	(B) End2: Female Conn Male Contact	-	-	-	-
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm ⑪ Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm					
	Solder Type	ADC-02BFFA-LL7001	ADC-02BFMA-LL7001*	ADC-03BFFA-LL7001	ADC-03BFMA-LL7001*
	Crimp Type	ADC-02BFFC-LL7 ⑪PO	ADC-02BFMC-LL7 ⑪PO*	ADC-03BFFC-LL7 ⑪PO	ADC-03BFMC-LL7 ⑪PO*
	Screw In Type	1DC-02BFFB-LL7 ⑪PP	1DC-02BFMB-LL7001	1DC-03BFFB-LL7 ⑪PP	1DC-03BFMB-LL7001

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out



Assemble Style



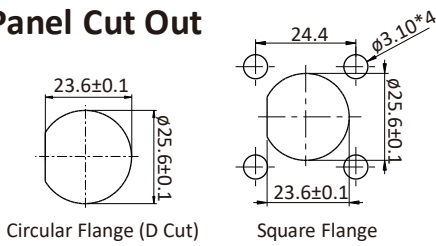
No of Contacts		4		5	
Rated Voltage (AC/DC)		250 ~ 600V		250 ~ 600V	
Nominal Current		20A		20A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-04BFFM-LL7A ^①	ADC-04BFMM-LL7A ^{①*}	ADC-05BFFM-LL7A ^①	ADC-05BFMM-LL7A ^{①*}
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)					
① Cable Length: (01) 1M ~ (99) 99M ¹⁾					
	UL2464, PVC Jacket	ADC-04BFFM-LR7A ^{①*}	ADC-04BFMM-LR7A ^{①*}	ADC-05BFFM-LR7A ^{①*}	ADC-05BFMM-LR7A ^{①*}
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	AA-ADC04FL-ADCFL-LA ^①	-	AA-ADC05FL-ADCFL-LA ^①	-
	(B) End1: Female Conn Male Contact (B) End2: Female Conn Male Contact	-	AA-ADC04BL-ADCBL-LA ^{①*}	-	AA-ADC05BL-ADCBL-LA ^{①*}
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	AA-ADC04FR-ADCFR-LA ^{①*}	-	AA-ADC05FR-ADCFR-LA ^{①*}	-
	(B) End1: Female Conn Male Contact (B) End2: Female Conn Male Contact	-	AA-ADC04BR-ADCBR-LA ^{①*}	-	AA-ADC05BR-ADCBR-LA ^{①*}
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, IP67 (Mated)					
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	AA-ADC04FL-ADCFR-LA ^{①*}	-	AA-ADC05FL-ADCFR-LA ^{①*}	-
	(B) End1: Female Conn Male Contact (B) End2: Female Conn Male Contact	-	AA-ADC04BL-ADCBR-LA ^{①*}	-	AA-ADC05BL-ADCBR-LA ^{①*}
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, IP67 (Mated)					
Sealing Nut Torque Value: 8 ~ 15 kgf.cm ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm					
	Solder Type	ADC-04BFFA-LL7001	ADC-04BFMA-LL7001*	ADC-05BFFA-LL7001	ADC-05BFMA-LL7001*
	Crimp Type	ADC-04BFFC-LL7 ^① P0	ADC-04BFMC-LL7 ^① P0*	ADC-05BFFC-LL7 ^① P0	ADC-05BFMC-LL7 ^① P0*
	Screw In Type	1DC-04BFFB-LL7 ^① PP	1DC-04BFMB-LL7001	1DC-05BFFB-LL7 ^① PP	1DC-05BFMB-LL7001

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

6		7		18		20	21	22
250 ~ 600V		250 ~ 600V		250 ~ 600V		250 ~ 600V	250 ~ 600V	250 ~ 600V
20A		20A		5A		2A	2A	2A
Plastic		Plastic		Plastic		Plastic	Plastic	Plastic
FF	FM	FF	FM	FF	FM	FF	FF	FF
ADC-06B FFM-LL7A 11	ADC-06B FMM-LL7A 11 *	ADC-07B FFM-LL7A 11	ADC-07B FMM-LL7A 11 *	ADD-18B FFM-LL7A 11	ADD-18B FMM-LL7A 11	ADU-20B FFM-LL7A 11	ADU-21B FFM-LL7A 11	ADU-22B FFM-LL7A 11
ADC-06B FFM-LR7A 11 *	ADC-06B FMM-LR7A 11 *	ADC-07B FFM-LR7A 11 *	ADC-07B FMM-LR7A 11 *	ADD-18B FFM-LR7A 11	ADD-18B FMM-LR7A 11 *	ADU-20B FFM-LR7A 11 *	ADU-21B FFM-LR7A 11 *	ADU-22B FFM-LR7A 11 *
AA-ADC06FL-ADCFL-LA 11	-	AA-ADC07FL-ADCFL-LA 11	-	AA-ADD18FL-ADDFL-LA 11	-	AA-ADU20FL-ADUFL-LA 11	AA-ADU21FL-ADUFL-LA 11	AA-ADU22FL-ADUFL-LA 11
-	AA-ADC06BL-ADCBL-LA 11 *	-	AA-ADC07BL-ADCBL-LA 11 *	-	AA-ADD18BL-ADDBL-LA 11	-	-	-
AA-ADC06FR-ADCFL-LA 11 *	-	AA-ADC07FR-ADCFL-LA 11 *	-	AA-ADD18FR-ADDFL-LA 11	-	AA-ADU20FR-ADUFL-LA 11 *	AA-ADU21FR-ADUFL-LA 11 *	AA-ADU22FR-ADUFL-LA 11 *
-	AA-ADC06BR-ADCBR-LA 11 *	-	AA-ADC07BR-ADCBR-LA 11 *	-	AA-ADD18BR-ADDBR-LA 11 *	-	-	-
AA-ADC06FL-ADCFL-LA 11 *	-	AA-ADC07FL-ADCFL-LA 11 *	-	AA-ADD18FL-ADDFL-LA 11	-	AA-ADU20FL-ADUFL-LA 11 *	AA-ADU21FL-ADUFL-LA 11 *	AA-ADU22FL-ADUFL-LA 11 *
-	AA-ADC06BL-ADCBL-LA 11 *	-	AA-ADC07BL-ADCBL-LA 11 *	-	AA-ADD18BL-ADDBL-LA 11 *	-	-	-
ADC-06BFFA-LL7001	ADC-06BFMA-LL7001*	ADC-07BFFA-LL7001	ADC-07BFMA-LL7001*	ADD-18BFFA-LL7001	ADD-18BFMA-LL7001	ADU-20BFFA-LL7001*	ADU-21BFFA-LL7001*	ADU-22BFFA-LL7001*
ADC-06BFFC-LL7 11 P0	ADC-06BFMC-LL7 11 P0*	ADC-07BFFC-LL7 11 P0	ADC-07BFMC-LL7 11 P0*	ADD-18BFFC-LL7 11 P0*	ADD-18BFMC-LL7 11 P0	ADU-20BFFC-LL7 11 P0*	ADU-21BFFC-LL7 11 P0*	ADU-22BFFC-LL7 11 P0*
1DC-06BFFB-LL7 11 PP	1DC-06BFMB-LL7001	1DC-07BFFB-LL7 11 PP	1DC-07BFMB-LL7001	-	-	-	-	-

Panel Cut Out



Assemble Style

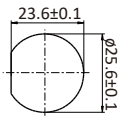


No of Contacts		8	10	12
Rated Voltage (AC/DC)		250 ~ 600V	250 ~ 600V	250 ~ 600V
Nominal Current		20A+2A	10A	20A+5A
Plastic / Metal		Plastic	Plastic	Plastic
Pin Assignment				
FF: Female Connector Female Contact (D) Female Power+Male Signal (E) Male Power+Female Signal				
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)				
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾				
	UL2464, PVC Jacket	-	ADB-10BFFM-LL7A⑪	-
	UL2464, PVC Jacket Male Power+Female Signal	ADCU-08BFEM-LL7B⑪	-	ADCD-12BFEM-LL7A⑪
	UL2464, PVC Jacket Female Power+Male Signal	ADCU-08BFDL-LL7B⑪	-	ADCD-12BFDL-LL7A⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)				
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾				
	UL2464, PVC Jacket	-	ADB-10BFFM-LR7A⑪*	-
	UL2464, PVC Jacket Male Power+Female Signal	ADCU-08BFEM-LL7B⑪*	-	ADCD-12BFEM-LR7A⑪
	UL2464, PVC Jacket Female Power+Male Signal	ADCU-08BFDL-LR7B⑪*	-	ADCD-12BFDL-LR7A⑪
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF				
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	-	AA-ADB10FL-ADBFL-LA⑪	-
	(X) End 1: Female Conn Male Power Female Signal Contact (X) End 2: Female Conn Male Power Female Signal Contact	AA-ADCU08GL-ADCUGL-LA⑪	-	AA-ADCD12GL-ADCDGL-LA⑪
	(W) End 1: Female Conn Female Power Male Signal Contact (W) End 2: Female Conn Female Power Male Signal Contact	AA-ADCU08AL-ADCUAL-LA⑪	-	AA-ADCD12AL-ADCDAL-TA⑪
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF				
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	-	AA-ADB10FR-ADBFR-LA⑪*	-
	(X) End 1: Female Conn Male Power Female Signal Contact (X) End 2: Female Conn Male Power Female Signal Contact	AA-ADCU08XR-ADCUXR-LA⑪*	-	AA-ADCD12XR-ADCDXR-LA⑪
	(W) End 1: Female Conn Female Power Male Signal Contact (W) End 2: Female Conn Female Power Male Signal Contact	AA-ADCU08WR-ADCUWR-LA⑪*	-	AA-ADCD12WR-ADCDWR-TA⑪
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)				
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF				
	(F) End1: Female Conn Female Contact (F) End2: Female Conn Female Contact	-	AA-ADB10FL-ADBFR-LA⑪*	-
	(W) End 1: Female Conn Female Power Male Signal Contact (W) End 2: Female Conn Female Power Male Signal Contact	AA-ADCU08WL-ADCUWR-LA⑪*	-	AA-ADCD12WL-ADCDWR-TA⑪
	(X) End 1: Female Conn Male Power Female Signal Contact (X) End 2: Female Conn Male Power Female Signal Contact	AA-ADCU08XL-ADCUXR-LA⑪*	-	AA-ADCD12XL-ADCDXR-LA⑪
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)				
Sealing Nut Torque Value: 8 ~ 15 kgf.cm ⑪ Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm				
(Solder) 	Solder Type	-	ADB-10BFFA-LL7001*	-
	Solder Female Power+Male Signal	ADCU-08BFDA-LL7001	-	ADCD-12BFDA-LL7001
	[Hybrid] Solder Type Male Power+Female Signal	ADCU-08BFEA-LL7001	-	ADCD-12BFEA-LL7001
(Crimp) 	Crimp Type	NEW	ADB-10BFFC-LL7⑪PO*	-
	Crimp Type Male Power+Female Signal	ADCU-08BFEC-LL7⑪PO*	-	ADCD-12BFEC-LL7⑪PO*
	Crimp Type Female Power+Male Signal	ADCU-08BFDC-LL7⑪PO*	-	ADCD-12BFDC-LL7⑪PO

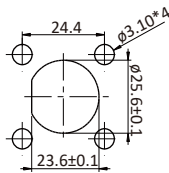
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style



PCB 180°
(P) Receptacle



Solder
(S) Receptacle
(A) Field Serviceable/Installable



Crimp
(C) Field Serviceable/Installable



Screw In
(B) Field Serviceable/Installable

No of Contacts	2			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	20A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact				

Receptacle, Circular Flange, FRONT Fastened Nut, IP67/IP68 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-02PMMMS-SC7001	-	-	-
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-02PMMMP-SC7001	1DC-02PMFPP-SC7001	-	-

Receptacle, Square Flange, FRONT Fastened Nut, IP67/IP68 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-02PMMMS-SS7001	-	ADSC-02PMMMS-SS8001*	ADSC-02PMFMS-SS8001*
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-02PMMMP-SS7001	-	1DSC-02PMMMP-SS8001*	1DSC-02PMFPP-SS8001*

Receptacle, Circular Flange, REAR Fastened Nut, IP67 (Unmated)

Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-02RMMMS-SC7001	-	-	-
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADC-02BMMM-SL7A①*	ADC-02BMFM-SL7A①*	ADSC-02BMMM-SL7A①*	ADSC-02BMFM-SL7A①*
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Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ADC-02BMMMA-SL7001*	ADC-02BMFA-SL7001*	-	-
	Crimp Type	ADC-02BMMMC-SL7①P0*	ADC-02BMFC-SL7①P0*	-	-
	Screw In Type	1DC-02BMMMB-SL7①PP	1DC-02BMFB-SL7①P0*	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ADC02ML-ADCML-SA①*	-	AA-ADSC02ML-ADSCML-SA①*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC02ML-ADCFL-SA①*	-	AA-ADSC02ML-ADSCFL-SA①*	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ADC02HL-ADCHL-SA①*	-	AA-ADSC02HL-ADSCHL-SA①*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC02HL-ADCBL-SA①*	-	AA-ADSC02HL-ADSCBL-SA①*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

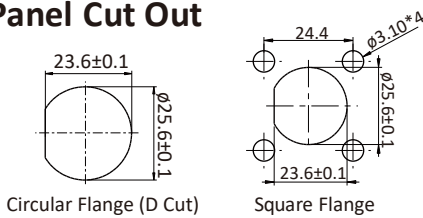
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC02ML-ADCFR-SA①*	-	AA-ADSC02ML-ADSCFR-SA①*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC02HL-ADCBR-SA①*	-	AA-ADSC02HL-ADSCBR-SA①*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

Panel Cut Out



Assemble Style



No of Contacts	3			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	20A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67/IP68 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-03PMMMS-SC7001	-	-	-
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-03PMMFP-SC7001	1DC-03PMFPP-SC7001	-	-

Receptacle, Square Flange, **FRONT** Fastened Nut, IP67/IP68 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-03PMMSS-SS7001	-	ADSC-03PMMSS-SS8001*	ADSC-03PMFSS-SS8001*
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-03PMMSP-SS7001	-	1DSC-03PMMSP-SS8001*	1DSC-03PMFSP-SS8001*

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-03RMMMS-SC7001	-	-	-
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADC-03BMMM-SL7A ①*	ADC-03BMFM-SL7A ①*	ADSC-03BMMM-SL7A ①*	ADSC-03BMFM-SL7A ①*
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ADC-03BMMMA-SL7001*	ADC-03BMFA-SL7001*	-	-
	Crimp Type	ADC-03BMMMC-SL7 ①P0*	ADC-03BMFC-SL7 ①P0*	-	-
	Screw In Type	1DC-03BMMMB-SL7 ①PP	1DC-03BMFB-SL7 ①P0*	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ADC03ML-ADCML-SA ①*	-	AA-ADSC03ML-ADSCML-SA ①*	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC03ML-ADCFL-SA ①*	-	AA-ADSC03ML-ADSCFL-SA ①*	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ADC03HL-ADCHL-SA ①*	-	AA-ADSC03HL-ADSCHL-SA ①*
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC03HL-ADCBL-SA ①*	-	AA-ADSC03HL-ADSCBL-SA ①*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

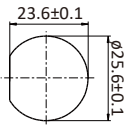
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC03ML-ADCFR-SA ①*	-	AA-ADSC03ML-ADSCFR-SA ①*	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC03HL-ADCBR-SA ①*	-	AA-ADSC03HL-ADSCBR-SA ①*

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

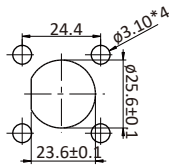
4				5			
250 ~ 600V				250 ~ 600V			
20A				20A			
Plastic		Metal		Plastic		Metal	
MM	MF	MM	MF	MM	MF	MM	MF
ADC-04PMMS-SC7001	-	-	-	ADC-05PMMS-SC7001	-	-	-
1DC-04PMMP-SC7001	1DC-04PMFP-SC7001	-	-	1DC-05PMMP-SC7001	1DC-05PMFP-SC7001	-	-
ADC-04PMMS-SS7001	-	ADSC-04PMMS-SS8001*	ADSC-04PMFS-SS8001*	ADC-05PMMS-SS7001	-	ADSC-05PMMS-SS8001*	ADSC-05PMFS-SS8001*
1DC-04PMMP-SS7001	-	1DSC-04PMMP-SS8001*	1DSC-04PMFP-SS8001*	1DC-05PMMP-SS7001	-	1DSC-05PMMP-SS8001*	1DSC-05PMFP-SS8001*
ADC-04RMMMS-SC7001	-	-	-	ADC-05RMMMS-SC7001	-	-	-
ADC-04BMMM-SL7A 11*	ADC-04BMFM-SL7A 11*	ADSC-04BMMM-SL7A 11*	ADSC-04BMFM-SL7A 11*	ADC-05BMMM-SL7A 11*	ADC-05BMFM-SL7A 11*	ADSC-05BMMM-SL7A 11*	ADSC-05BMFM-SL7A 11*
ADC-04BMMA-SL7001*	ADC-04BMFA-SL7001*	-	-	ADC-05BMMA-SL7001*	ADC-05BMFA-SL7001*	-	-
ADC-04BMMC-SL7 11P0*	ADC-04BMFC-SL7 11P0*	-	-	ADC-05BMMC-SL7 11P0*	ADC-05BMFC-SL7 11P0*	-	-
1DC-04BMMB-SL7 11PP	1DC-04BMFB-SL7 11P0*	-	-	1DC-05BMMB-SL7 11PP	1DC-05BMFB-SL7 11P0*	-	-

AA-ADC04ML-ADCML-SA 11*	-	AA-ADSC04ML-ADSCML-SA 11*	-	AA-ADSC05ML-ADSCML-SA 11*	-	AA-ADSC05ML-ADSCML-SA 11*	-
AA-ADC04ML-ADCFL-SA 11*	-	AA-ADSC04ML-ADSCML-SA 11*	-	AA-ADC05ML-ADCFL-SA 11*	-	AA-ADSC05ML-ADSCFL-SA 11*	-
-	AA-ADC04HL-ADCHL-SA 11*	-	AA-ADSC04HL-ADSCHL-SA 11*	-	AA-ADC05HL-ADCHL-SA 11*	-	AA-ADSC05HL-ADSCHL-SA 11*
-	AA-ADC04HL-ADCBL-SA 11*	-	AA-ADSC04HL-ADSCBL-SA 11*	-	AA-ADC05HL-ADCBL-SA 11*	-	AA-ADSC05HL-ADSCBL-SA 11*
AA-ADC04ML-ADCFR-SA 11*	-	AA-ADSC04ML-ADSCFR-SA 11*	-	AA-ADC05ML-ADCFR-SA 11*	-	AA-ADSC05ML-ADSCFR-SA 11*	-
-	AA-ADC04HL-ADCBR-SA 11*	-	AA-ADSC04HL-ADCBR-SA 11*	-	AA-ADC05HL-ADCBR-SA 11*	-	AA-ADSC05HL-ADCBR-SA 11*

Panel Cut Out



Circular Flange (D Cut)



Square Flange

Assemble Style



PCB 180°
(P) Receptacle



Solder
(S) Receptacle
(A) Field Serviceable/Installable



Crimp
(C) Field Serviceable/Installable



Screw In
(B) Field Serviceable/Installable

No of Contacts	6			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	20A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67/IP68 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-06P MMS -SC7001	-	-	-
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-06P MMP -SC7001	1DC-06P MFP -SC7001	-	-

Receptacle, Square Flange, **FRONT** Fastened Nut, IP67/IP68 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADC-06P MMS -SS7001	-	ADSC-06P MMS -SS8001*	ADSC-06P MFS -SS8001*
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DC-06P MMP -SS7001	-	1DSC-06P MMP -SS8001*	1DSC-06P MFP -SS8001*

Receptacle, Circular Flange, **REAR** Fastened Nut, IP67 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type	ADC-06R MMS -SC7001	-	-	-
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADC-06B MMM -SL7A ^① *	ADC-06B MFM -SL7A ^① *	ADSC-06B MMM -SL7A ^① *	ADSC-06B MFM -SL7A ^① *
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)
Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

<p>(Solder) (Screw-in, Crimp) NEW</p>	Solder Type	ADC-06B MAA -SL7001*	ADC-06B MFA -SL7001*	-	-
	Crimp Type	ADC-06B MMC -SL7 ^① P0*	ADC-06B MFC -SL7 ^① P0*	-	-
	Screw In Type	1DC-06B MMB -SL7 ^① PP	1DC-06B MFB -SL7 ^① P0*	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ADC06 ML -ADC ML -SA ^① *	-	AA-ADSC06 ML -ADSC ML -SA ^① *	-
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC06 ML -ADC FL -SA ^① *	-	AA-ADSC06 ML -ADSC FL -SA ^① *	-
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-ADC06 HL -AD CHL -SA ^① *	-	AA-ADSC06 HL -ADSC CHL -SA ^① *
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC06 HL -AD CBL -SA ^① *	-	AA-ADSC06 HL -ADSC CBL -SA ^① *

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (H) MF, (B) FM

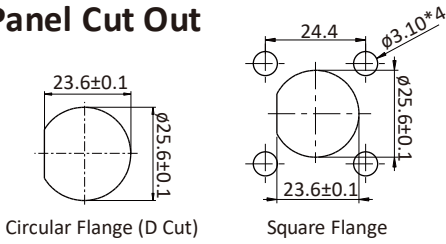
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADC06 ML -ADC FR -SA ^① *	-	AA-ADSC06 ML -ADSC FR -SA ^① *	-
	End1: Male Conn Female Contact End2: Female Conn Male Contact	-	AA-ADC06 HL -AD CBR -SA ^① *	-	AA-ADSC06 HL -ADSC CBR -SA ^① *

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

7				10		18			
250 ~ 600V				250 ~ 600V		250 ~ 600V			
20A				10A		5A			
Plastic		Metal		Metal		Plastic		Metal	
MM	MF	MM	MF	MM	MM	MF	MM	MF	
ADC-07PMMS-SC7001	-	-	-	ADSB-10PMMS-SS8001*	ADD-18PMMS-SC7001	ADD-18PMFS-SC7001	-	-	
1DC-07PMMP-SC7001	1DC-07PMFP-SC7001	-	-	1DSB-10PMMP-SS8001*	1DD-18PMMP-SC7001	1DD-18PMFP-SC7001	-	-	
ADC-07PMMS-SS7001	-	ADSC-07PMMS-SS8001*	ADSC-07PMFS-SS8001*	-	ADD-18PMMS-SS7001	ADD-18PMFS-SS7001	ADSD-18PMMS-SS8001*	ADSD-18PMFS-SS8001	
1DC-07PMMP-SS7001	-	1DSC-07PMMP-SS8001*	1DSC-07PMFP-SS8001*	-	-	1DD-18PMFP-SS7001	1DSD-18PMMP-SS8001*	1DSD-18PMFP-SS8001	
ADC-07RMMMS-SC7001	-	-	-	-	ADD-18RMMMS-SC7001	ADD-18RMFS-SC7001	-	-	
ADC-07BMMM-SL7A 11*	ADC-07BMFM-SL7A 11*	ADSC-07BMMM-SL7A 11*	ADSC-07BMFM-SL7A 11*	ADSB-10BMMM-SL7A 11*	ADD-18BMMM-SL7A 11*	ADD-18BMFM-SL7A 11*	ADSD-18BMMM-SL7A 11*	ADSD-18BMFM-SL7A 11*	
ADC-07BMMMA-SL7001*	ADC-07BMFA-SL7001*	-	-	-	ADD-18BMMMA-SL7001*	ADD-18BMFA-SL7001*	-	-	
ADC-07BMM-C-SL7 11 P0*	ADC-07BMF-C-SL7 11 P0*	-	-	-	ADD-18BMM-C-SL7 11 P0*	ADD-18BMF-C-SL7 11 P0*	-	-	
1DC-07BMMB-SL7 11 PP	1DC-07BMFB-SL7 11 P0*	-	-	-	-	-	-	-	

AA-ADC07ML-ADCML-SA 11*	-	AA-ADSC07ML-ADSCML-SA 11*	-	AA-ADSB10ML-ADSBML-SA 11*	AA-ADD18ML-ADDML-SA 11*	-	AA-ADSD18ML-ADSDML-SA 11*	-
AA-ADC07ML-ADCFL-SA 11*	-	AA-ADSC07ML-ADSCFL-SA 11*	-	AA-ADSB10ML-ADSBFL-SA 11*	AA-ADD18ML-ADDFL-SA 11*	-	AA-ADSD18ML-ADSDFL-SA 11*	-
-	AA-ADC07HL-ADCHL-SA 11*	-	AA-ADSC07HL-ADSCHL-SA 11*	-	-	AA-ADD18HL-ADDHL-SA 11*	-	AA-ADSD18HL-ADSDHL-SA 11*
-	AA-ADC07HL-ADCBL-SA 11*	-	AA-ADSC07HL-ADSCBL-SA 11*	-	-	AA-ADD18HL-ADDBL-SA 11*	-	AA-ADSD18HL-ADSDBL-SA 11*
AA-ADC07ML-ADCFR-SA 11*	-	AA-ADSC07ML-ADCFR-SA 11*	-	AA-ADSB10ML-ADSBFR-SA 11*	AA-ADD18ML-ADDFR-SA 11*	-	AA-ADSD18ML-ADSDFR-SA 11*	-
-	AA-ADC07HL-ADCBR-SA 11*	-	AA-ADSC07HL-ADCBR-SA 11*	-	-	AA-ADD18HL-ADDBR-SA 11*	-	AA-ADSD18HL-ADSDBR-SA 11*

Panel Cut Out



Assemble Style



No of Contacts	20		21	
Rated Voltage (AC/DC)	250 ~ 600V		250 ~ 600V	
Nominal Current	2A		2A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	MM		MM	
MM : Male Connector Male Contact FF : Female Connector Female Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, IP67/IP68 (Unmated)
Nut Torque Value: 11.5 ~ 14 kgf.cm | Recommended Panel Thickness: min. 1.8mm ~ max 4.0mm

	Solder Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	ADU-20PMM S-SC7001	ADSU-20PMM S-SS8001 *	ADU-21PMM S-SC7001	ADSU-21PMM S-SS8001 *
	180° PCB Type Plastic: IP67 (Unmated) Metal: IP68 (Unmated)	1DU-20PMM P-SC7001	1DSU-20PMM P-SS8001 *	1DU-21PMM P-SC7001	1DSU-21PMM P-SS8001 *

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADU-20BMMM-SL7A 11 *	ADSU-20BMMM-SL7A 11 *	ADU-21BMMM-SL7A 11 *	ADSU-21BMMM-SL7A 11 *
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | 11 Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	NEW Solder Type	ADU-20BMM A-SL7001 *	-	ADU-21BMM A-SL7001 *	-
	Crimp Type	ADU-20BMM C-SL7 11 P0 *	-	ADU-21BMM C-SL7 11 P0 *	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Male Conn Male Contact	AA-ADU20ML-ADUML-SA 11 *	AA-ADSU20ML-ADSUML-SA 11 *	AA-ADU21ML-ADUML-SA 11 *	AA-ADSU21ML-ADSUML-SA 11 *
	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADU20ML-ADUFL-SA 11 *	AA-ADSU20ML-ADSUFL-SA 11 *	AA-ADU21ML-ADUFL-SA 11 *	AA-ADSU21ML-ADSUFL-SA 11 *

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: Male Conn Male Contact End2: Female Conn Female Contact	AA-ADU20ML-ADUFR-SA 11 *	AA-ADSU20ML-ADSUFR-SA 11 *	AA-ADU21ML-ADUFR-SA 11 *	AA-ADSU21ML-ADSUFR-SA 11 *
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
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

B.C.E. S.r.l.

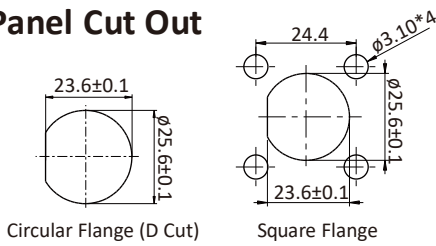
Via Regina Pacis, 54/c - I 41049 Sassuolo (MO)
Tel.: (+39) 0536 811616 - Fax.: (+39) 0536 811500

e-mail: bce@bce.it - Website: www.bce.it

22	
250 ~ 600V	
2A	
Plastic	Metal
MM	
	
ADU-22PMM5-SC7001	ADSU-22PMM5-SS8001*
1DU-22PMP-SC7001	1DSU-22PMP-SS8001*
ADU-22BMMM-SL7A ¹¹ *	ADSU-22BMMM-SL7A ¹¹ *
ADU-22BMM-A-SL7001*	-
ADU-22BMM-C-SL7 ¹¹ PO*	-

AA-ADU22ML-ADUML-SA ¹¹ *	AA-ADSU22ML-ADSUML-SA ¹¹ *
AA-ADU22ML-ADUFL-SA ¹¹ *	AA-ADSU22ML-ADSUFL-SA ¹¹ *
AA-ADU22ML-ADUFR-SA ¹¹ *	AA-ADSU22ML-ADSUFR-SA ¹¹ *

Panel Cut Out



Assemble Style



Solder



Crimp



Screw In

(A) Field Serviceable/Installable (C) Field Serviceable/Installable (B) Field Serviceable/Installable

No of Contacts	2			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	20A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
FF : Female Connector Female Contact FM : Female Connector Male Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M ¹⁾

	UL2464, PVC Jacket	ADC-02BFFM-SL7A①	ADC-02BFMM-SL7A①*	ADSC-02BFFM-SL7A①*	ADSC-02BFMM-SL7A①
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M ¹⁾

	UL2464, PVC Jacket	ADC-02BFFM-SR7A①*	ADC-02BFMM-SR7A①*	ADSC-02BFFM-SR7A①*	ADSC-02BFMM-SR7A①
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC02FL-ADCFL-SA①	-	AA-ADSC02FL-ADSCFL-SA①*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC02BL-ADCBLSA①*	-	AA-ADSC02BL-ADSCBLSA①

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC02FR-ADCFR-SA①*	-	AA-ADSC02FR-ADSCFR-SA①*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC02BR-ADCBRSa①*	-	AA-ADSC02BR-ADSCBR-SA①

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC02FL-ADCFR-SA①*	-	AA-ADSC02FL-ADSCFR-SA①*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC02BL-ADCBRSa①*	-	AA-ADSC02BL-ADSCBR-SA①

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

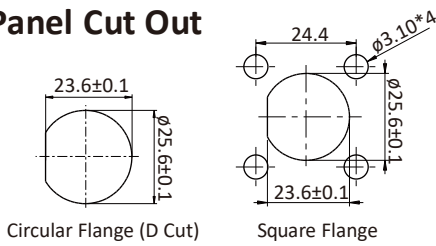
(Solder) (Screw-in, Crimp) 	Solder Type	ADC-02BFFA-SL7001	ADC-02BFMA-SL7001*	-	-
	Crimp Type	NEW ADC-02BFFC-SL7①P0	ADC-02BFMC-SL7①P0*	-	-
	Screw In Type	NEW 1DC-02BFFB-SL7①PP	1DC-02BFMB-SL7001	-	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

3				4			
250 ~ 600V				250 ~ 600V			
20A				20A			
Plastic		Metal		Plastic		Metal	
FF	FM	FF	FM	FF	FM	FF	FM
ADC-03BFFM-SL7A 11	ADC-03BFMM-SL7A 11 *	ADSC-03BFFM-SL7A 11 *	ADSC-03BFMM-SL7A 11	ADC-04BFFM-SL7A 11	ADC-04BFMM-SL7A 11 *	ADSC-04BFFM-SL7A 11 *	ADSC-04BFMM-SL7A 11
ADC-03BFFM-SR7A 11	ADC-03BFMM-SR7A 11 *	ADSC-03BFFM-SR7A 11 *	ADSC-03BFMM-SR7A 11	ADC-04BFFM-SR7A 11	ADC-04BFMM-SR7A 11 *	ADSC-04BFFM-SR7A 11 *	ADSC-04BFMM-SR7A 11
AA-ADC03FL-ADCFL-SA 11	-	AA-ADSC03FL-ADSCFL-SA 11 *	-	AA-ADC04FL-ADCFL-SA 11	-	AA-ADSC04FL-ADSCFL-SA 11 *	-
-	AA-ADC03BL-ADCBL-SA 11 *	-	AA-ADSC03BL-ADSCBL-SA 11	-	AA-ADC04BL-ADCBL-SA 11 *	-	AA-ADSC04BL-ADSCBL-SA 11
AA-ADC03FR-ADCFR-SA 11 *	-	AA-ADSC03FR-ADSCFR-SA 11 *	-	AA-ADC04FR-ADCFR-SA 11 *	-	AA-ADSC04FR-ADSCFR-SA 11 *	-
-	AA-ADC03BR-ADCBR-SA 11 *	-	AA-ADSC03BR-ADSCBR-SA 11	-	AA-ADC04BR-ADCBR-SA 11 *	-	AA-ADSC04 BR-ADSCBR-SA 11
AA-ADC03FL-ADCFR-SA 11 *	-	AA-ADSC03FL-ADSCFR-SA 11 *	-	AA-ADC04FL-ADCFR-SA 11 *	-	AA-ADSC04FL-ADSCFR-SA 11 *	-
-	AA-ADC03BL-ADCBR-SA 11 *	-	AA-ADSC03BL-ADSCBR-SA 11	-	AA-ADC04BL-ADCBR-SA 11 *	-	AA-ADSC04 BL-ADSCBR-SA 11
ADC-03BFFA-SL7001	ADC-03BFMA-SL7001 *	-	-	ADC-04BFFA-SL7001	ADC-04BFMA-SL7001 *	-	-
ADC-03BFFC-SL7 11 P0	ADC-03BFMC-SL7 11 P0 *	-	-	ADC-04BFFC-SL7 11 P0	ADC-04BFMC-SL7 11 P0 *	-	-
1DC-03BFFB-SL7 11 PP	1DC-03BFMB-SL7001	-	-	1DC-04BFFB-SL7 11 PP	1DC-04BFMB-SL7001	-	-

Panel Cut Out



Assemble Style



No of Contacts	5			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	20A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
 11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADC-05BFFM-SL7A 11	ADC-05BFMM-SL7A 11 *	ADSC-05BFFM-SL7A 11 *	ADSC-05BFMM-SL7A 11
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)
 11 Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADC-05BFFM-SR7A 11 *	ADC-05BFMM-SR7A 11 *	ADSC-05BFFM-SR7A 11 *	ADSC-05BFMM-SR7A 11
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
 11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC05FL-ADCFL-SA 11	-	AA-ADSC05FL-ADSCFL-SA 11 *	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC05BL-ADCBL-SA 11 *	-	AA-ADSC05BL-ADSCBL-SA 11

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
 11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC05FR-ADCFR-SA 11 *	-	AA-ADSC05FR-ADSCFR-SA 11 *	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC05BR-ADCBR-SA 11 *	-	AA-ADSC05BR-ADSCBR-SA 11

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)
 11 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADC05FL-ADCFR-SA 11 *	-	AA-ADSC05FL-ADSCFR-SA 11 *	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADC05BL-ADCBR-SA 11 *	-	AA-ADSC05BL-ADSCBR-SA 11

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)
 Sealing Nut Torque Value: 8 ~ 15 kgf.cm | 11 Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

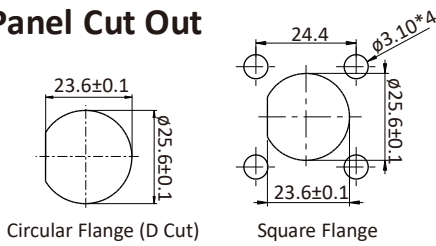
	Solder Type	ADC-05BFFA-SL7001	ADC-05BFMA-SL7001*	-	-
	Crimp Type	ADC-05BFFC-SL7 11 P0	ADC-05BFMC-SL7 11 P0*	-	-
	Screw In Type	1DC-05BFFB-SL7 11 PP	1DC-05BFMB-SL7001	-	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

6				7				10
250 ~ 600V				250 ~ 600V				250 ~ 600V
20A				20A				10A
Plastic		Metal		Plastic		Metal		Metal
FF	FM	FF	FM	FF	FM	FF	FM	FF
ADC-06BFFM-SL7A 11	ADC-06BFMM-SL7A 11 *	ADSC-06BFFM-SL7A 11 *	ADSC-06BFMM-SL7A 11	ADC-07BFFM-SL7A 11	ADC-07BFMM-SL7A 11 *	ADSC-07BFFM-SL7A 11 *	ADSC-07BFMM-SL7A 11	ADSB-10BFFM-SL7A 11 *
ADC-06BFFM-SR7A 11 *	ADC-06BFMM-SR7A 11 *	ADSC-06BFFM-SR7A 11 *	ADSC-06BFMM-SR7A 11	ADC-07BFFM-SR7A 11 *	ADC-07BFMM-SR7A 11 *	ADSC-07BFFM-SR7A 11 *	ADSC-07BFMM-SR7A 11	ADSB-10BFFM-SR7A 11 *
AA-ADC06FL-ADCFL-SA 11	-	AA-ADSC06FL-ADSCFL-SA 11 *	-	AA-ADC07FL-ADCFL-SA 11	-	AA-ADSC07FL-ADSCFL-SA 11 *	-	AA-ADSB10FL-ADSBFL-SA 11 *
-	AA-ADC06BL-ADCBL-SA 11 *	-	AA-ADSC06BL-ADSCBL-SA 11	-	AA-ADC07BL-ADCBL-SA 11 *	-	AA-ADSC07BL-ADSCBL-SA 11	-
AA-ADC06FR-ADCFR-SA 11 *	-	AA-ADSC06FR-ADSCFR-SA 11 *	-	AA-ADC07FR-ADCFR-SA 11 *	-	AA-ADSC07FR-ADSCFR-SA 11 *	-	AA-ADSB10FR-ADSBFR-SA 11 *
-	AA-ADC06BR-ADCBR-SA 11 *	-	AA-ADSC06BR-ADSCBR-SA 11	-	AA-ADC07BR-ADCBR-SA 11 *	-	AA-ADSC07BR-ADSCBR-SA 11	-
AA-ADC06FL-ADCFR-SA 11 *	-	AA-ADSC06FL-ADSCFR-SA 11 *	-	AA-ADC07FL-ADCFR-SA 11 *	-	AA-ADSC07FL-ADSCFR-SA 11 *	-	AA-ADSB10FL-ADSBFR-SA 11 *
-	AA-ADC06BL-ADCBR-SA 11 *	-	AA-ADSC06BL-ADSCBR-SA 11	-	AA-ADC07BL-ADCBR-SA 11 *	-	AA-ADSC07BL-ADSCBR-SA 11	-
ADC-06BFFA-SL7001	ADC-06BFMA-SL7001*	-	-	ADC-07BFFA-SL7001	ADC-07BFMA-SL7001*	-	-	-
ADC-06BFFC-SL7 11 P0	ADC-06BFMC-SL7 11 P0*	-	-	ADC-07BFFC-SL7 11 P0	ADC-07BFMC-SL7 11 P0*	-	-	-
1DC-06BFFB-SL7 11 PP	1DC-06BFMB-SL7001	-	-	1DC-07BFFB-SL7 11 PP	1DC-07BFMB-SL7001	-	-	-

Panel Cut Out



Assemble Style



Solder



Crimp

(A) Field Serviceable/Installable (C) Field Serviceable/Installable

No of Contacts	18			
Rated Voltage (AC/DC)	250 ~ 600V			
Nominal Current	5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADD-18BFFM-SL7A ①①	ADD-18BFMM-SL7A ①①	ADSD-18BFFM-SL7A ①①*	ADSD-18BFMM-SL7A ①①
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)

① Cable Length: (01) 1M ~ (99) 99M¹⁾

	UL2464, PVC Jacket	ADD-18BFFM-SR7A ①①	ADD-18BFMM-SR7A ①①*	ADSD-18BFFM-SR7A ①①*	ADSD-18BFMM-SR7A ①①
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STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADD18FL-ADDFL-SA ①①	-	AA-ADSD18FL-ADSDFL-SA ①①*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADD18BL-ADDBL-SA ①①	-	AA-ADSD18BL-ADSDBL-SA ①①

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADD18FR-ADDFR-SA ①①	-	AA-ADSD18FR-ADSDFR-SA ①①*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADD18BR-ADDBR-SA ①①*	-	AA-ADSD18BR-ADSDBR-SA ①①

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, IP67 (Mated)

① Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: Female Conn Female Contact End2: Female Conn Female Contact	AA-ADD18FL-ADDFR-SA ①①	-	AA-ADSD18FL-ADSDFR-SA ①①*	-
	End1: Female Conn Male Contact End2: Female Conn Male Contact	-	AA-ADD18BL-ADDBR-SA ①①*	-	AA-ADSD18BL-ADSDBR-SA ①①

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, IP67 (Mated)

Sealing Nut Torque Value: 8 ~ 15 kgf.cm | ① Seal Color: (A) All Seals, (S) Red, OD 5.0~6.0mm, (M) Yellow, OD 6.0~8.0mm, (L) Blue, OD 8.0~10.0mm

	Solder Type	ADD-18BFFA-SL7001	ADD-18BFMA-SL7001	-	-
	Crimp Type	ADD-18BFFC-SL7 ①① PO*	ADD-18BFMC-SL7 ①① PO	-	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

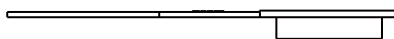
B.C.E. S.r.l.

Via Regina Pacis, 54/c - I 41049 Sassuolo (MO)
Tel.: (+39) 0536 811616 - Fax.: (+39) 0536 811500

e-mail: bce@bce.it - Website: www.bce.it

20		21		22	
250 ~ 600V		250 ~ 600V		250 ~ 600V	
2A		2A		2A	
Plastic	Metal	Plastic	Metal	Plastic	Metal
FF		FF		FF	
ADU-20AFFM-SL7A 11	ADSU-20BFFM-SL7A 11*	ADU-21AFFM-SL7A 11	ADSU-21BFFM-SL7A 11*	ADU-22AFFM-SL7A 11	ADSU-22BFFM-SL7A 11*
ADU-20BFFM-SR7A 11*	ADSU-20BFFM-SR7A 11*	ADU-21BFFM-SR7A 11*	ADSU-21BFFM-SR7A 11*	ADU-22BFFM-SR7A 11*	ADSU-22BFFM-SR7A 11*
AA-ADU20FL-ADUFL-SA 11	AA-ADSU20FL-ADSUFL-SA 11*	AA-ADU21FL-ADUFL-SA 11	AA-ADSU21FL-ADSUFL-SA 11*	AA-ADU22FL-ADUFL-SA 11	AA-ADSU22FL-ADSUFL-SA 11*
-	-	-	-	-	-
AA-ADU20FR-ADUFR-SA 11*	AA-ADSU20FR-ADSUFR-SA 11*	AA-ADU21FR-ADUFR-SA 11*	AA-ADSU21FR-ADSUFR-SA 11*	AA-ADU22FR-ADUFR-SA 11*	AA-ADSU22FR-ADSUFR-SA 11*
-	-	-	-	-	-
AA-ADU20FL-ADUFR-SA 11*	AA-ADSU20FL-ADSUFR-SA 11*	AA-ADU21FL-ADUFR-SA 11*	AA-ADSU21FL-ADSUFR-SA 11*	AA-ADU22FL-ADUFR-SA 11*	AA-ADSU22FL-ADSUFR-SA 11*
-	-	-	-	-	-
ADU-20BFFA-SL7001*	-	ADU-21BFFA-SL7001*	-	ADU-22BFFA-SL7001*	-
ADU-20BFFC-SL7 11 P0*	-	ADU-21BFFC-SL7 11 P0*	-	ADU-22BFFC-SL7 11 P0*	-

Dust Cap



With Rubber Lead

Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Large Size	Receptacle	Cover	Male	With Rubber Lead	CAP-DADMDPC1

Waterproof Cap

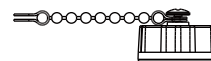
For Mating with Male Connector



None



With Rubber Lead

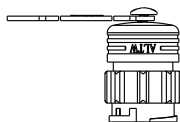


With Chain

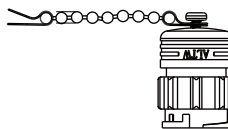
For Mating with Female Connector



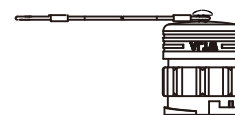
None



With Rubber Lead



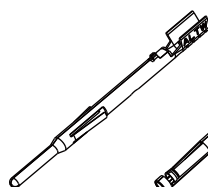
With Chain



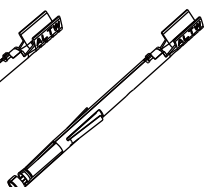
With Fish Line

Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
Large Size	Receptacle	Screw Thread	Male	With Chain	CAP-WADMSPB1
		Screw Thread	Male	With Rubber Lead	CAP-WADMSPC1
		2 Points Lock	Female	With Rubber Lead	CAP-WADFLPC1
		2 Points Lock	Male	With Chain	CAP-WADMLPB1
		2 Points Lock	Female	With Chain	CAP-WADFLPB1
	Overmolded With Cable & Field Serviceable/Installable	Screw Thread	Male	None	CAP-WADMSMA1
		2 Points Lock	Male	None	CAP-WADMLMA1
		2 Points Lock	Female	None	CAP-WADFLMA1
		2 Points Lock	Female	With Fish Line	CAP-WADFLMD1

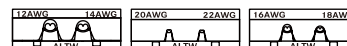
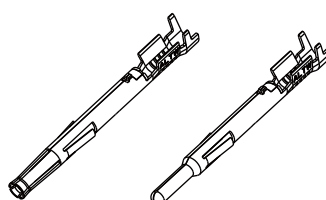
Contacts & Crimp Tool



5A



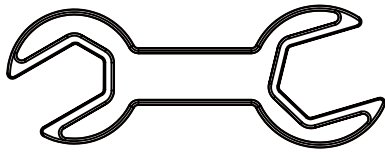
10A/20A



Crimp Tool

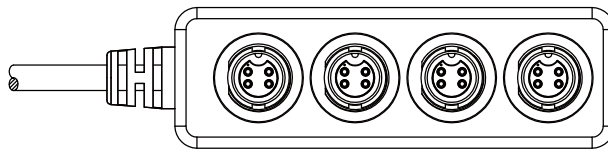
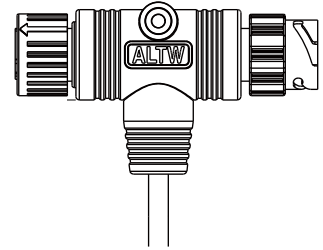
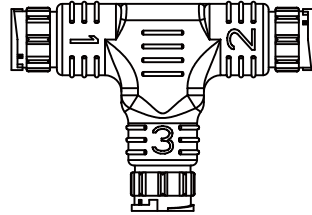
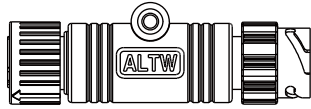
Nominal Current	Contact Gender	Part Number	Packages ⁶	Crimp Tool	
5A	Male	ASSP-05-M-A-C- ⁶	(SA) 50pcs / Box (SB) 100pcs / Box (RE) 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	ASST-C-05-W-A (22 ~ 20AWG 0.34 ~ 0.50mm ²)	
	Female	ASSP-05-F-A-C- ⁶		ASST-C-10-W-B (18 ~ 16AWG 1.50 ~ 0.75mm ²)	
10A	Male	ASSP-10-M-A-C- ⁶			ASST-C-20-W-C (14 ~ 12AWG 2.50 ~ 4.00mm ²)
	Female	ASSP-10-F-A-C- ⁶			
20A	Male	ASSP-20-M-A-C- ⁶			
	Female	ASSP-20-F-A-C- ⁶			

Wrench



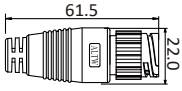
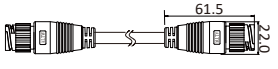
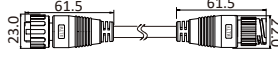
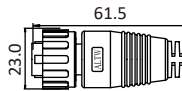
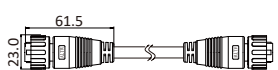
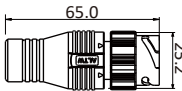
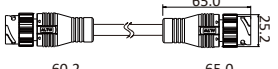
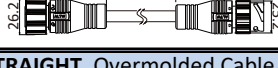
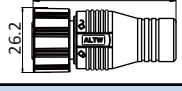
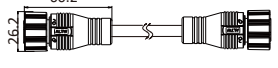


Part Number: TOL-222901

Customization - Upon Request

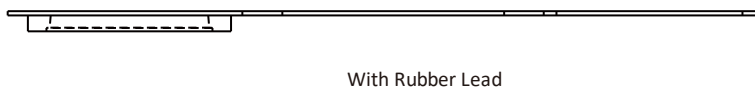


Macro E Size & Other Sizes

No of Contacts		4	8
Rated Voltage (AC/DC)		250V	205V
Nominal Current		10A	10A+5A
Size		MAB	GBD
Plastic / Metal		Plastic	Plastic
Pin Assignment		MF/FM	MM/FF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact			
MAB: Lock Bayonet (2 Points)			
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP67 (Mated)			
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾			
	UL2464, PVC Jacket	MAB-04AMFM-LL7A ^⑪	-
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)			
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (H) MF, (B) FM			
	M Conn F Contact To M Conn F Contact	-	AA-MAB08HL-MABHL-LA ^⑪
	End1: Male Conn Female Contact End2: Male Conn Female Contact	-	AA-MAB08HL-MABBL-LA ^⑪
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, IP67 (Mated)			
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾			
	UL2464, PVC Jacket	MAB-04AFMM-LL7A ^⑪	-
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)			
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (B) FM			
	End1: Female Conn Male Contact End2: Female Conn Male Contact	AA-MAB04BL-MABBL-LA ^⑪	-
GBD: Lock Bayonet (3 Points)			
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)			
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾			
	UL2464, PVC Jacket	-	GBD-08BMMM-TL7A ^⑪
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)			
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF			
	End1: Male Conn Male Contact End2: Male Conn Male Contact	-	AA-GBD08ML-GBDML-TA ^⑪
	End1: Male Conn Male Contact End2: Female Conn Female Contact	-	AA-GBD08ML-GBDFL-TA ^⑪
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, IP67 (Mated)			
⑪ Cable Length: (01) 1M ~ (99) 99M ¹⁾			
	UL2464, PVC Jacket	-	GBD-08BFFM-TL7A ^⑪
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP67 (Mated)			
⑪ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF			
	End1: Female Conn Female Contact End2: Female Conn Female Contact	-	AA-GBD08FL-GBDFL-TA ^⑪

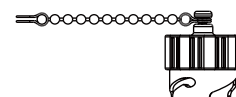
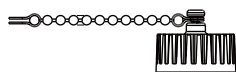
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Dust Cap



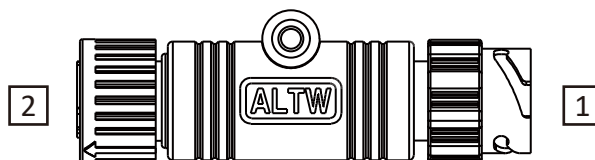
Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
PLD	Receptacle	Cover	Male	With Rubber Lead	CAP-DPLMDPC1

Waterproof Cap



Size	Mating Part	Mating Style	Gender of Mating Part	Attachment	Part Number
GBD	Receptacle	3 Points Lock	Male	With Chain	CAP-WEBMTPB1
		3 Points Lock	Female	With Chain	CAP-WEBFTPB1
	Overmolded With Cable & Field Serviceable/Installable	3 Points Lock	Male	None	CAP-WEBMTMA1
		3 Points Lock	Female	None	CAP-WEBFTMA1

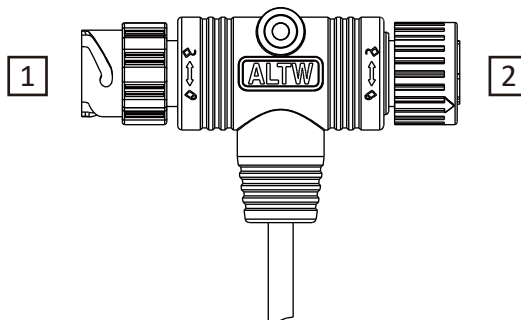
I Adaptor



- 6 For Connector 1
- 7 For Connector 2
- Connector Gender / Contact Gender
- Male / Male (M)
- Female / Female (F)

Size	Nominal Current	No. of Contacts	Mating Style
			Screw Thread
GBD	10A+5A	08	GA-000808-0 6 7 -IT001

T Cable



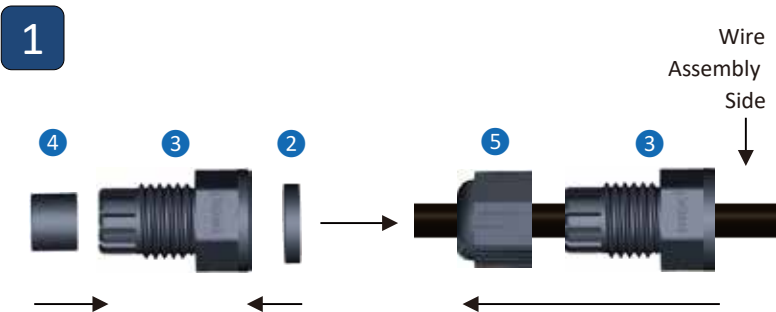
- 5 For Connector 1
- 6 For Connector 2
- Connector Gender / Contact Gender
- Male / Male (M)
- Female / Female (F)

Size	Nominal Current	No. of Contacts	Mating Style
			3 Points Lock
GBD	10A+5A	08	GA-080800- 5 6 0-TTAXX

* XX: Choose the cable length: (01) 1M ~ (99) 99M / PVC UL2464 Cable



Nominal Current	2A	5A	10A	20A
Wire Range	26 ~ 24 AWG (0.14 ~ 0.25mm ²)	24 ~ 20 AWG (0.25 ~ 0.50mm ²)	20 ~ 16 AWG (0.50 ~ 1.50mm ²)	16 ~ 12 AWG (0.50 ~ 4.00mm ²)
Cable O.D. (Unit: mm)	Mini & Standard Size 4.5 ~ 6.5 Middle Size 4.0 ~ 9.6 Large Size 5.5 ~ 10.8		Mini & Standard Size 4.5 ~ 6.5 Middle Size 4.0 ~ 9.6	Middle Size 4.0 ~ 9.6 Large Size 5.5 ~ 10.8

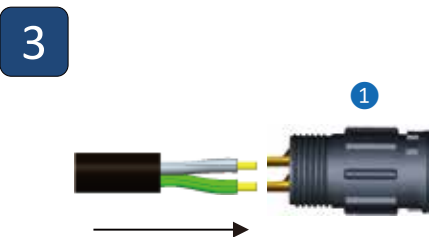


Pre-assemble ④ & ② into ③.
Follow the order from ⑤ to ③ and put components through cable accordingly, no need to assemble here.

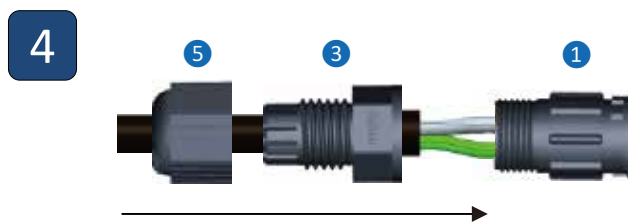


(Unit: mm)	(A) Jacket	(B) Insulation
Mini Size	8.0 ~ 12.0	3.0 ~ 4.0
Standard Size	11.0 ~ 15.0	3.0 ~ 4.0
Middle Size	14.0 ~ 18.0	3.0 ~ 4.0
Large Size	17.0 ~ 21.0	3.0 ~ 4.0

Follow suggested stripping length of (A) Jacket, (B) Insulation.

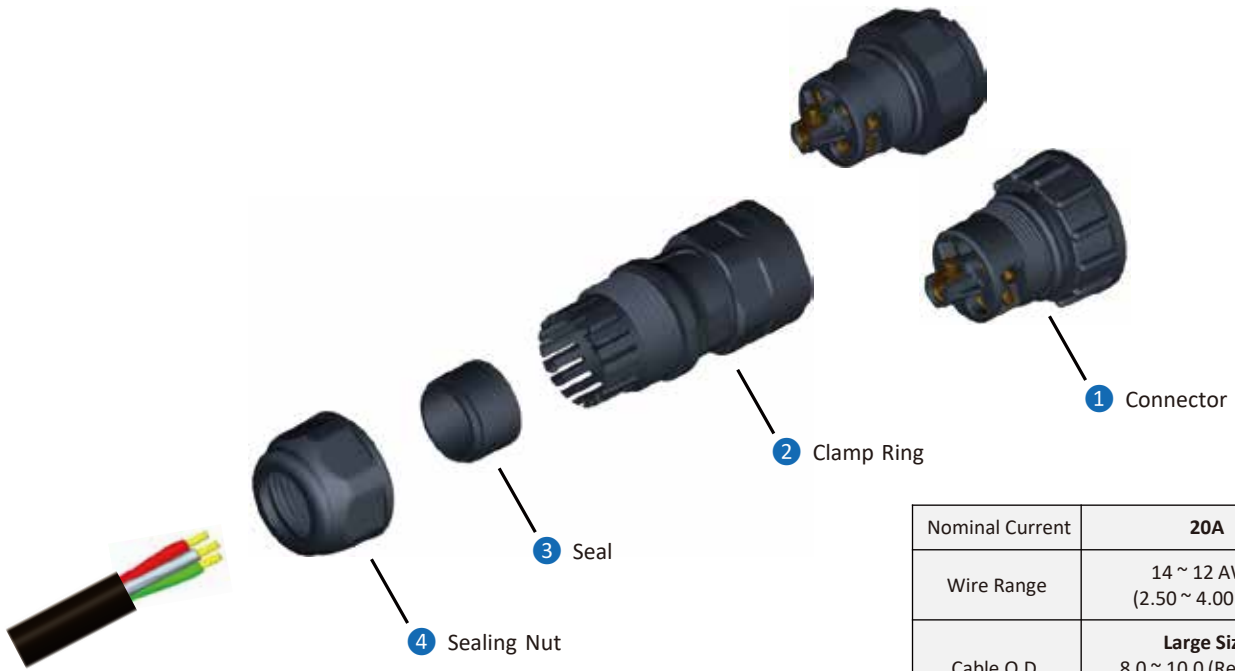


Solder wires onto contacts.

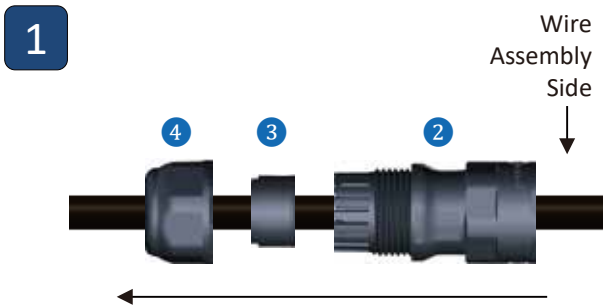


Follow the order ③ → ①, ⑤ → ③ to assemble all components.
And tighten ① & ③, ③ & ⑤ with suggested torque force.

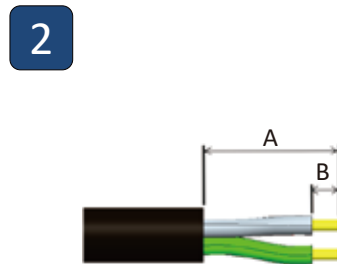
	① & ③ & ⑤
Torque Force (Unit: kgf-cm)	6.0 ~ 8.0



Nominal Current	20A
Wire Range	14 ~ 12 AWG (2.50 ~ 4.00mm ²)
Cable O.D. (Unit: mm)	Large Size 8.0 ~ 10.0 (Red Seal) 10.1 ~ 12.0 (Yellow Seal) 12.1 ~ 14.0 (Blue Seal)

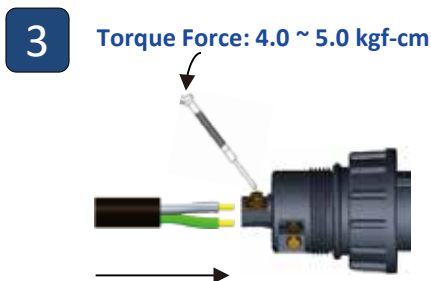


Follow the order from 4 to 2 and put components through cable accordingly, no need to assemble here.

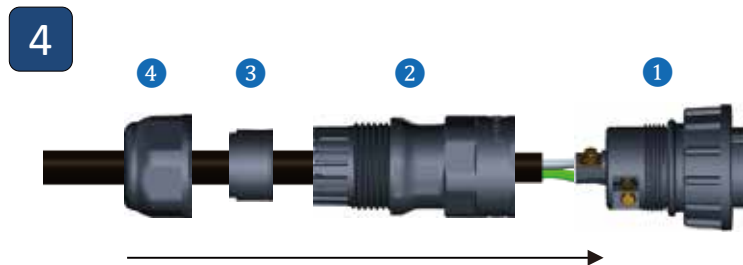


	Unit: mm
(A) Jacket	26.8 ~ 27.2
(B) Insulation	5.9 ~ 6.1

Follow suggested stripping length of (A) Jacket, (B) Insulation.

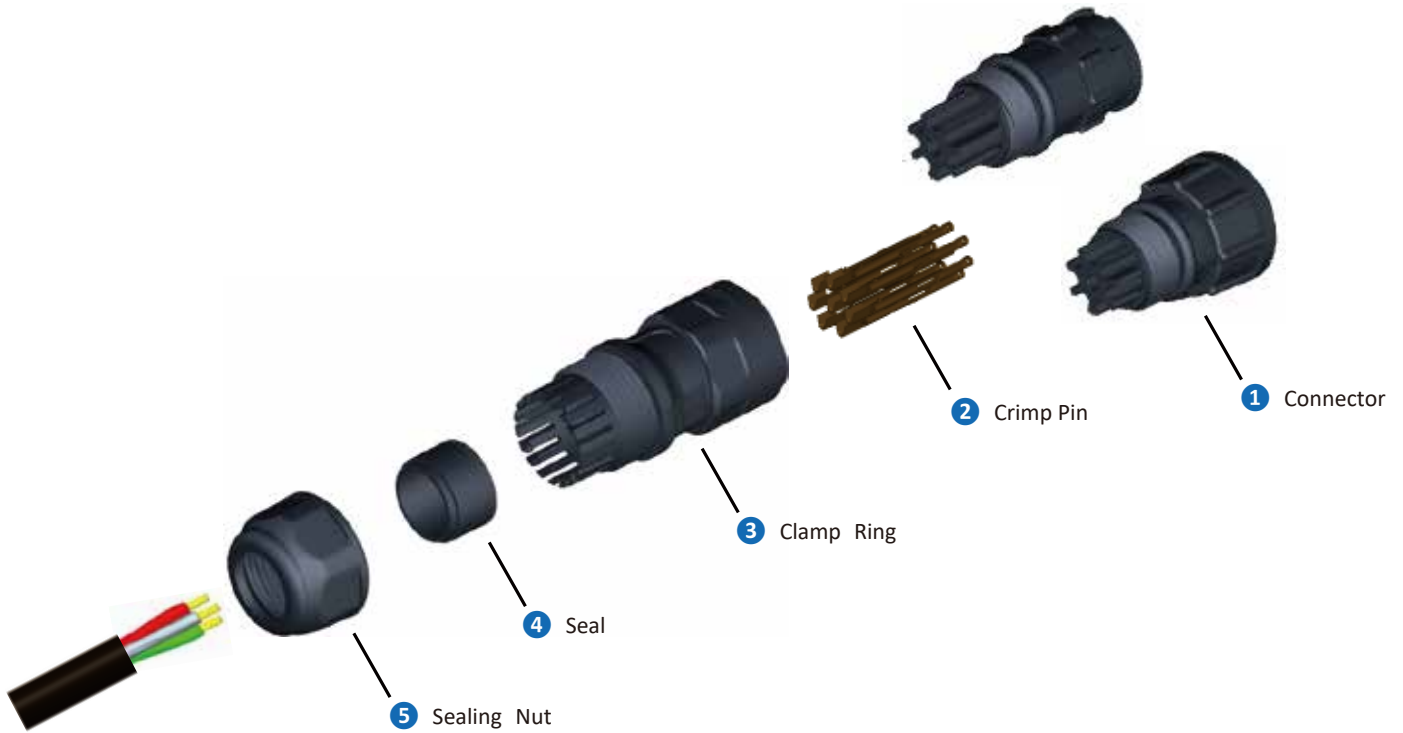


Insert wires into contacts until the conductors are completely covered. Then tighten the screw by screw driver.

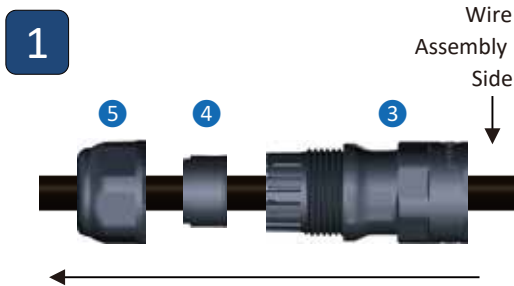


Follow the order 2 → 1, 4 → 2 to assemble all components. And tighten 1 & 2, 2 & 4 with suggested torque force.

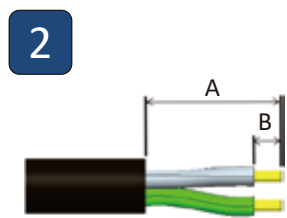
	1 & 2	2 & 4
Torque Force (Unit: kgf-cm)	6.0 ~ 8.0	8.0 ~ 15.0



Nominal Current	5A		10A	20A	
Wire Range	22 ~ 20 AWG (0.34 ~ 0.50mm ²)		18 ~ 16 AWG (0.75 ~ 1.50mm ²)	14 ~ 12 AWG (2.50 ~ 4.00mm ²)	
Cable O.D. (Unit: mm)	Standard & Middle Size 5.0 ~ 6.0 (Red Seal) 6.1 ~ 8.0 (Yellow Seal) 8.1 ~ 10.0 (Blue Seal)	Large Size 8.0 ~ 10.0 (Red Seal) 10.0 ~ 12.0 (Yellow Seal) 12.0 ~ 14.0 (Blue Seal)	Middle Size 5.0 ~ 6.0 (Red Seal) 6.1 ~ 8.0 (Yellow Seal) 8.1 ~ 10.0 (Blue Seal)	Middle Size 5.0 ~ 6.0 (Red Seal) 6.1 ~ 8.0 (Yellow Seal) 8.1 ~ 10.0 (Blue Seal)	Large Size 8.0 ~ 10.0 (Red Seal) 10.0 ~ 12.0 (Yellow Seal) 12.0 ~ 14.0 (Blue Seal)

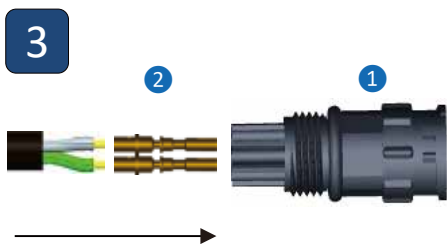


Follow the order from 5 to 3 and put components through cable accordingly, no need to assemble here.

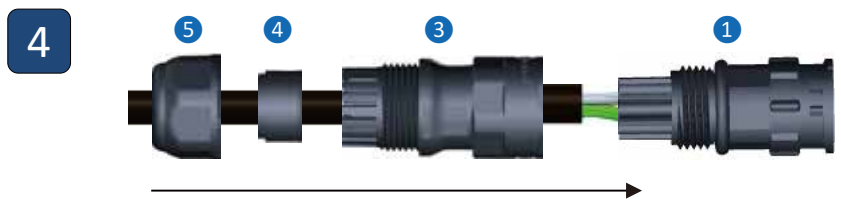


(Unit: mm)	(A) Jacket	(B) Insulation
5A	16.0 ~ 18.0	3.5 ~ 4.0
10A	16.0 ~ 18.0	5.0 ~ 5.5
20A	18.0 ~ 20.0	5.0 ~ 5.5

Follow suggested stripping length of (A) Jacket, (B) Insulation.



Terminate conductors onto crimp contacts and insert them into 1 until you hear click sound.



Follow the order 3 → 1, 4 → 3, 5 → 3 to assemble all components. And tighten 1 & 3, 3 & 5 with suggested torque force.

	1 & 3	3 & 5
Torque Force (Unit: kgf-cm)	6.0 ~ 8.0	8.0 ~ 15.0

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011181	PVC	Black	SJTW	12AWG*2C+Filler	10.70	60.80	163.10
WCA00011226	PVC	Black	SJTW	12AWG*3C	11.20	89.60	222.90
WCA00011182	PVC	Black	SJTW	12AWG*3C+Filler	11.70	89.85	207.67
WCA00011243	PVC	Black	UL2464	12AWG*3C+Filler	10.00	90.00	164.40
WCA00011242	PVC	Black	UL2464	12AWG*4C+Filler	11.00	120.40	228.70
WCA00012002	PVC	Black	SJTW	12AWG*4C+Filler	12.30	122.00	293.00
WCA00011183	PVC	Black	SJTW	12AWG*5C+Filler	13.60	149.50	328.90
WCA00010846	PVC	Black	UL1277, UL1581&UL83	14AWG*3C	9.70	53.80	134.20
WCA0485XX01	PVC	Black	UL2464	14AWG*3C+Talcum	7.00	55.80	100.10
WCA00011884	PU	Black	UL20234	14AWG*5C+Filler+Paper	10.00	115.70	180.00
WCA00012012	PU	Black	UL20234	14AWG*5C+Filler+Paper	10.00	115.70	180.00
WCA00011201	PVC	Black	UL21388	16AWG*2C+AL/Mylar	8.20	23.80	60.20
WCA00011206	PVC	Black	SJTW	16AWG*2C+Filler	8.20	24.25	85.10
WCA0264UV01	PVC	Black	UL2464	16AWG*2C+Talcum	5.80	23.80	57.70
WCA00010942	PVC	Black	UL2464	16AWG*2C+Talcum	7.80	24.20	95.00
WCA00010625	PVC	Black	UL2464	16AWG*3C+AL.Mylar+Drain	7.50	46.80	96.60
WCA00011202	PVC	Black	UL21388	16AWG*3C+AL/Mylar	8.60	35.70	71.50
WCA0579UV01	PVC	Black	UL2464	16AWG*3C+Drain+AL.Mylar	7.50	46.70	97.90
WCA00011207	PVC	Black	SJTW	16AWG*3C+Filler	8.60	36.02	105.21
WCA0285UV01	PVC	Black	UL2464	16AWG*4C+AL.Mylar	7.50	47.60	99.90
WCA00011203	PVC	Black	UL21388	16AWG*4C+AL/Mylar	9.30	47.60	88.40
WCA00011208	PVC	Black	SJTW	16AWG*4C+Filler	9.30	49.00	131.50
WCA00011204	PVC	Black	UL21388	16AWG*5C+AL/Mylar	10.70	59.40	99.80
WCA0263UV01	PVC	Black	UL2464	16AWG*5C+Talcum	7.80	59.50	108.80
WCA00011205	PVC	Black	UL21388	16AWG*6C+AL/PET	11.70	71.30	123.30
WCA0582UV01	PVC	Black	UL2464	16AWG*6C+Filler+Drain+AL.Mylar	9.50	82.10	153.60
WCA0583UV01	PVC	Black	UL2464	16AWG*7C+Drain+AL.Mylar	9.50	93.60	175.70
WCA00011299	PVC	Black	UL2464	18AWG*10C	9.00	77.00	145.00
WCE00010070-43	PVC	Black	UL21996	18AWG*2C+Talcum	3.4*5.3	14.82	36.97
WCE00010074-43	PVC	White	UL21996	18AWG*2C+Talcum	3.4*5.3	14.82	36.97
WCA00010897	PVC	Black	UL1277, UL15, 81&UL83	18AWG*3C	8.50	21.30	81.93
WCA00011209	PVC	Black	SJTW	18AWG*3C+Filler	8.00	21.30	81.93
WCA00010898	PVC	Black	UL1277, UL15, 81&UL83	18AWG*4C	9.20	35.00	125.00
WCE00010071-43	PVC	Black	UL21996	18AWG*4C+Talcum	3.4*9.2	29.64	68.14
WCE00010075-43	PVC	White	UL21996	18AWG*4C+Talcum	3.4*9.2	29.64	68.14
WCA00011240	PVC	Black	UL2464	20AWG*10C+AL.Mylar+Filler	9.00	48.00	116.40
WCA00011192	PVC	Black	UL21388	20AWG*10C+AL/Mylar	8.50	48.00	109.70
WCA00011436	PVC	Black	UL2464	20AWG*12C+AL.Mylar+Filler	9.00	57.60	125.10
WCA00011193	PVC	Black	UL21388	20AWG*12C+AL/Mylar	8.50	57.60	121.70
WCA00011200	PVC	Black	UL21388	20AWG*14C+AL/Mylar	8.50	67.20	130.60
WCA0470XX01	PVC	Black	UL2464	20AWG*14C+Braid	9.50	87.90	161.30
WCA0153XX01	PVC	Black	UL2464	20AWG*18C+AL.Mylar	9.50	86.40	154.20
WCA00011581-43	PVC	Black	UL 21996	20AWG*2C	5.20	9.40	34.02
WCA00011194	PVC	Black	UL21388	20AWG*18C+AL/Mylar	10.00	86.40	174.70
WCA00010781	PVC	Black	UL2464	20AWG*2C+AL.Mylar+Braid	5.50	17.70	41.60
WCA00011184	PVC	Black	UL21388	20AWG*2C+AL/Mylar	5.50	9.60	27.40
WCA0124UV01	PVC	Black	UL2464	20AWG*2C+Drain+AL.Mylar	5.80	14.40	48.40
WCE00010072-43	PVC	Black	UL21996	20AWG*2C+Talcum	3.2*5.0	14.10	41.45
WCE00010076-43	PVC	White	UL21996	20AWG*2C+Talcum	3.2*5.0	14.10	41.45
WCA00011580-43	PVC	Black	UL 21996	20AWG*3C	5.50	14.10	41.45
WCA0489UV01	PVC	Black	UL2464	20AWG*3C+AL.Mylar	5.00	14.40	39.30
WCA00010602	PVC	Black	UL2464	20AWG*3C+AL.Mylar+Braid+Drain	5.50	29.20	61.90
WCA00011185	PVC	Black	UL21388	20AWG*3C+AL/Mylar	5.50	14.40	43.70
WCA00011548-43	PVC	Black	UL 21996	20AWG*4C	6.00	18.80	48.46
WCA00011186	PVC	Black	UL21388	20AWG*4C+AL/Mylar	6.00	19.20	51.40
WCA0575UV01	PVC	Black	UL2464	20AWG*4C+Drain+AL.Mylar	5.50	24.00	52.10
WCE00010073-43	PVC	Black	UL21996	20AWG*4C+Talcum	3.2*8.5	18.80	53.34
WCE00010077-43	PVC	White	UL21996	20AWG*4C+Talcum	3.2*8.5	18.80	53.34
WCA00011187	PVC	Black	UL21388	20AWG*5C+AL/Mylar	6.00	24.00	59.20
WCA0576UV01	PVC	Black	UL2464	20AWG*5C+Drain+AL.Mylar	6.00	28.80	62.70
WCA00011188	PVC	Black	UL21388	20AWG*6C+AL/Mylar	6.80	28.80	71.80
WCA0577UV01	PVC	Black	UL2464	20AWG*6C+Drain+AL.Mylar	6.50	33.60	76.80
WCA00011189	PVC	Black	UL21388	20AWG*7C+AL/Mylar	6.80	33.60	75.80
WCA00010049	PVC	Black	UL2464	20AWG*7C+Drain+AL.Mylar	6.50	38.40	74.80
WCA00010550	PVC	Black	UL2464	20AWG*8C+AL.Mylar+Drain+Filler	6.80	43.00	86.00

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011190	PVC	Black	UL21388	20AWG*8C+AL/Mylar	7.20	38.40	87.00
WCA00011489-28	PVC	Black	UL2464	20AWG*9C+AL.Mylar+Drain	7.40	48.50	101.80
WCA00011191	PVC	Black	UL21388	20AWG*9C+AL/Mylar	7.60	43.20	97.30
WCA00010868	PVC	Black	UL2464	22AWG*2C+Talcum	4.20	6.20	24.60
WCA00011339	PVC	Yellow	UL2517	22AWG*3C	4.50	9.00	31.50
WCA00011343	PU	Black	UL20549	22AWG*3C	3.80	9.00	26.00
WCA00011459-28	PVC	Black	UL2517	22AWG*3C	4.50	9.30	31.00
WCA00010063	PU	Black	NONUL	22AWG*3C+Talcum	4.50	9.00	26.40
WCA0570UV01	PVC	Black	UL2464	22AWG*3C+Talcum	5.00	9.30	35.20
WCA00011340	PVC	Yellow	UL2517	22AWG*4C	4.80	11.70	40.00
WCA00011344	PU	Black	UL20549	22AWG*4C	4.00	12.00	31.80
WCA00011460-28	PVC	Black	UL2517	22AWG*4C	4.80	12.00	38.00
WCA00011813-01	PVC	Black	UL2517	22AWG*4C+AL.Mylar+Braid	5.30	22.00	46.00
WCA00011872	PU	Black	UL20549	22AWG*4C+AL.Mylar+Braid+Paper	5.30	22.00	48.00
WCA00010062	PU	Black	NONUL	22AWG*4C+Insulation	4.80	12.00	29.40
WCA0571UV01	PVC	Black	UL2464	22AWG*4C+Talcum	5.00	12.40	38.60
WCA00011341	PVC	Yellow	UL2517	22AWG*5C	5.10	15.50	43.80
WCA00011687-01	PVC	Black	UL2517	22AWG*5C+AL.Mylar+Filler+Braid	5.70	26.00	58.00
WCA00011345	PU	Black	UL20549	22AWG*5C+Filler	4.40	15.00	43.50
WCA00011461-28	PVC	Black	UL2517	22AWG*5C+Filler	5.10	15.00	43.00
WCA00011870	PU	Black	UL20549	22AWG*5C+Filler+AL.Mylar+Braid+Paper	5.70	26.00	51.00
WCA00012245	PU	Black	UL20549	22AWG*5C+Filler+Paper	5.60	19.00	51.00
WCA00010061	PU	Black	NONUL	22AWG*5C+Filler+Talcum+Paper	5.00	15.50	38.50
WCA0352XX02	PU	Black	NONUL	22AWG*5C+Talcum	5.00	15.50	47.50
WCA0521UV01	PVC	Black	UL2464	22AWG*5C+Talcum	5.50	15.50	47.50
WCA0556UV01	PVC	Black	UL2464	24AWG*10C+Drain+AL.Mylar	6.50	22.00	63.80
WCA0557UV01	PVC	Black	UL2464	24AWG*12C+Drain+AL.Mylar	7.00	26.00	72.30
WCA0558UV01	PVC	Black	UL2464	24AWG*14C+Drain+AL.Mylar	7.00	30.00	77.10
WCA0465UV01	PVC	Black	UL2464	24AWG*15C+Drain+AL.Mylar	7.00	32.00	77.60
WCA0560UV01	PVC	Black	UL2464	24AWG*18C+Drain+AL.Mylar	8.00	38.00	100.70
WCA0284UV01	PVC	Black	UL2464	24AWG*25C+Drain+AL.Mylar	9.00	51.90	130.90
WCA0072UV01	PVC	Black	UL2464	24AWG*2C+Drain+AL.Mylar	4.20	6.00	24.00
WCA0027UV01	PVC	Black	UL2464	24AWG*2C+Talcum	4.20	4.00	22.70
WCA00010114	PVC	Black	UL2464	24AWG*37C+Drain+AL/Mylar	9.50	74.00	153.20
WCA00011746-03	PVC	Black	UL2517	24AWG*3C+AL.Mylar+Braid	4.60	13.10	31.30
WCA0549UV01	PVC	Black	UL2464	24AWG*3C+Drain+AL.Mylar	4.50	8.00	29.00
WCA0006UV01	PVC	Black	UL2464	24AWG*3C+Talcum	4.50	6.00	27.70
WCA00011726-03	PVC	Black	UL2517	24AWG*4C+AL.Mylar+Braid	5.00	16.40	38.50
WCA0219UV01	PVC	Black	UL2464	24AWG*4C+Drain+AL.Mylar	5.80	10.00	45.60
WCA0036UV01	PVC	Black	UL2464	24AWG*4C+Talcum	5.00	8.00	32.40
WCA00011584-43	PVC	Black	UL 21996	24AWG*5C	5.50	9.88	41.20
WCA0551UV01	PVC	Black	UL2464	24AWG*5C+Drain+AL.Mylar	5.00	12.00	37.00
WCA0229UV01	PVC	Black	UL2464	24AWG*5C+Talcum	5.00	10.00	34.40
WCA00011583-43	PVC	Black	UL 21996	24AWG*6C	5.80	11.86	45.21
WCA00011214	PVC	Black	UL2464	24AWG*6C+AL.Mylar	5.00	12.00	39.40
WCA0217UV01	PVC	Black	UL2464	24AWG*6C+Drain+AL.Mylar	5.80	14.00	45.00
WCA00011479-28	PVC	Black	UL2517	24AWG*6C+Filler	5.00	12.00	40.00
WCA00012067	PVC	Black	UL21388	24AWG*6C+Filler+AL.Mylar	5.20	11.40	35.40
WCA00011421	PVC	Yellow	UL2517	24AWG*6C+Filler+Talcum	5.00	17.60	49.20
WCA00011422	PU	Black	UL20549	24AWG*6C+Filler+Talcum	5.00	13.00	34.00
WCA0087UV01	PVC	Black	UL2464	24AWG*7C+Drain+AL/Mylar	5.80	16.00	51.00
WCA00011342	PVC	Yellow	UL2517	24AWG*8C	5.50	15.50	48.00
WCA00011346	PU	Black	UL20549	24AWG*8C	4.80	15.50	35.00
WCA00011462-28	PVC	Black	UL2517	24AWG*8C	5.50	15.50	48.00
WCA00011698-01	PVC	Black	UL2517	24AWG*8C+AL.Mylar+Filler+Braid	5.80	27.00	60.00
WCA0003UV01	PVC	Black	UL2464	24AWG*8C+Drain+AL/Mylar	5.50	18.00	45.70
WCA00012066	PVC	Black	UL21388	24AWG*8C+Filler+AL.Mylar	5.60	15.20	43.40
WCA00011814-01	PU	Black	UL20549	24AWG*8C+Filler+AL.Mylar+Braid+Paper	5.80	26.00	51.00
WCA00012341	PU	Black	UL20549	24AWG*8C+Filler+Paper	6.70	19.00	65.00
WCA0203UV01	PVC	Black	UL2464	24AWG*8C+Talcum	5.50	16.00	45.30
WCA0528UV01	PVC	Black	UL2464	24AWG*9C+Drain+AL.Mylar	6.00	20.00	54.80
WCA0540UV01	PVC	Black	UL2464	26AWG*6C+Drain+AL.Mylar	5.00	9.80	33.70
WCA0543UV01	PVC	Black	UL2464	26AWG*10C+Drain+AL.Mylar	6.00	15.00	50.30
WCA00011400	PU	Black	UL20549	26AWG*10C+Filler	6.00	14.00	48.00
WCA00011401	PVC	Yellow	UL2517	26AWG*10C+Filler	6.00	14.00	52.00

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011463-01	PVC	Black	UL2517	26AWG*10C+Filler	6.00	14.00	52.00
WCA00011380	PU	Black	UL20549	26AWG*12C	6.00	16.00	47.00
WCA00011402	PVC	Yellow	UL2517	26AWG*12C	6.00	17.00	54.00
WCA00011464-01	PVC	Black	UL2517	26AWG*12C	6.00	17.00	55.00
WCA00011782-01	PVC	Black	UL2517	26AWG*12C+AL.Mylar+Braid	6.40	25.00	63.00
WCA00011871	PU	Black	UL20549	26AWG*12C+AL.Mylar+Braid+Paper	6.40	28.00	60.00
WCA0544UV01	PVC	Black	UL2464	26AWG*12C+Drain+AL.Mylar	6.00	17.60	53.10
WCA0545UV01	PVC	Black	UL2464	26AWG*15C+Drain+AL.Mylar	6.50	21.50	58.70
WCA00012148	PU	Black	UL20549	26AWG*17C+Filler	7.00	23.00	63.00
WCA00012173	PVC	Yellow	UL2517	26AWG*17C+Filler	7.00	24.00	73.00
WCA00012149	PVC	Black	UL2517	26AWG*17C+Filler	7.00	24.00	68.00
WCA00012151	PVC	Black	UL2517	26AWG*17C+Filler+AL.Mylar+Braid	7.50	40.00	91.00
WCA00012150	PU	Black	UL20549	26AWG*17C+Filler+AL.Mylar+Braid+Paper	7.50	39.00	80.00
WCA00010045	PVC	Black	UL2464	26AWG*22C+Drain+AL.Mylar	7.50	29.90	78.10
WCA0546UV01	PVC	Black	UL2464	26AWG*26C+Drain+AL.Mylar	8.00	35.80	91.30
WCA0449UV01	PVC	Black	UL2464	26AWG*31C+Drain+AL.Mylar	9.00	42.30	117.40
WCA0481UV01	PVC	Black	UL2464	26AWG*3C+Drain+AL.Mylar	4.00	5.20	22.40
WCA0547UV01	PVC	Black	UL2464	26AWG*44C+Drain+AL.Mylar	10.50	59.20	157.10
WCA0487UV01	PVC	Black	UL2464	26AWG*4C+Drain+AL.Mylar	4.80	7.20	30.80
WCA0486UV01	PVC	Black	UL2464	26AWG*5C+Drain+AL.Mylar	4.80	8.50	33.00
WCA00011480-01	PU	Black	-	CAT.5E 22AWG*2P+Drain+Filler+AL.Mylar	6.20	14.00	44.00
WCA00011527-17	LSZH	Green	-	CAT.6A S/FTP 26AWG*4P+AL/Polyester+Braid	6.60	17.99	47.08
WCA00010840	PVC	Black	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.50	17.97	47.34
WCA0373XX01	PVC	Beige	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.00	18.00	41.80
WCA0664UV01	PVC	Black	-	CAT5E FTP 24AWG*4P+Mylar+D+AL/Mylar	6.50	18.00	52.30
WCA0459XX01	PVC	Beige	-	CAT5E S-FTP 24AWG*4P+Mylar+AL.Mylar+D+B	6.10	30.97	55.00
WCA0663UV01	PVC	Black	-	CAT5E UTP 24AWG*4P	6.00	16.00	49.40
WCA00011688-03	PVC	Yellow	-	CL2 22AWG*2C+AL.Mylar+Drain+Braid	5.80	16.70	49.80
WCA0611XX01	PVC	Black	-	SJTW 14AWG*3C	9.50	56.70	154.50
WCA00010369	PVC	Black	-	STOOW 16AWG*4C	10.60	49.00	181.00
WCA00010899	PVC	Black	UL1277,UL1581,UL83	14AWG*3C+16AWG*1C	10.30	68.48	172.00
WCA00011252	PU	Black	UL20549	18AWG*2C+22AWG*4C+Filler+Paper	6.00	27.50	63.00
WCA00011253	PU	Black	UL20549	18AWG*2C+22AWG*6C+Filler+Paper	7.40	33.60	83.00
WCA00011254	PU	Black	UL20549	18AWG*2C+22AWG*8C+Filler+Paper	8.20	40.00	98.00
WCA00011582-43	PVC	Black	UL 21996	20AWG*2C+20AWG*3C	6.00	15.33	50.21
WCA0585UV01	PVC	Black	UL2464	24AWG*4C+20AWG*2C+Drain+AL.Mylar	6.00	22.40	57.40
WCA0042UV01	PVC	Black	UL2464	24AWG*6C+20AWG*2C+Drain+AL.Mylar	6.00	26.20	58.50
WCA0584UV01	PVC	Black	UL2464	26AWG*6C+24AWG*2C+Drain+AL.Mylar	5.50	13.70	42.80
WCA0365UV01	PVC	Black	-	28AWG*1P+24AWG*2C+AL.Mylar+Drain+Braid (USB2.0)	5.00	11.90	35.10
WCA00012165	PVC	Black	UL2725	28AWG*1P+28AWG*2C+AL.Mylar+Drain+Braid	3.80	10.00	21.00
WCA0691XX01	PVC	Black	UL2725	28AWG*1P+28AWG*3C+AL.Mylar+Drain+Braid	3.80	10.40	23.20
WCA00010259	PVC	Black	UL20276	[(18AWG*1P+AL)+(16AWG*1P+AL)]+Drain+AL+Braid	10.00	73.00	152.00
WCA00011922	PVC	Black	UL21996	(20AWG*1P+Drain+AL.Mylar)+16AWG*3C+Filler+AL.Mylar	8.50	50.61	115.27
WCA00010258	PVC	Black	-	[(22AWG*1P+AL)+(18AWG*1P+AL)]+Drain+AL.Mylar+Braid	7.00	42.00	80.00
WCA00010876	PVC	Black	UL2586	(24AWG*1P+A)*2C+16AWG*3C+EA	10.00	47.00	128.00
WCA00010257	PVC	Black	-	[(24AWG*1P+AL)+(22AWG*1P+AL)]+Drain+AL.Mylar+Braid	6.00	27.00	58.00
WCA00011350	PVC	Black	-	[(24AWG*1P+AL)+(22AWG*1P+AL)]+Drain+AL.Mylar+Braid	6.70	29.70	65.80
WCA00010437	PVC	Gray	-	[(24AWG*1P+AL)+(22AWG*1P+AL)]+Drain+Braid+Mylar	7.10	14.80	69.80
WCA00010080	PVC	Black	UL2464	(24AWG*25C+Mylar)+24AWG*25C+Drain+AL.Mylar	12.00	110.00	285.00
WCA00010710	PVC	Black	UL2464	(24AWG*2P+Drain+AL)+16AWG*3C+Filler+Paper	12.00	45.70	179.10
WCA00011923	PVC	Black	UL21996	(24AWG*2P+Drain+AL.Mylar)+12AWG*3C+Filler+AL.Mylar	11.50	99.97	187.20
WCA00010635	PVC	Black	UL2464	(24AWG*4P+Drain+AL)+16AWG*3C+Filler+Paper	11.00	41.70	149.70
WCA00010264	PVC	Black	UL20276	(26AWG*1P+Drain+AL.Mylar)*4C+26AWG*1P+26AWG*5C+AL.Mylar+Braid	8.50	45.50	94.30
WCA00011530-43	PVC	Black	UL21996	(26AWG*2P+AL.Mylar)+16AWG*2C+Filler+AL.Mylar	9.30	28.54	106.26
WCA00011531-43	PVC	Black	UL21996	(26AWG*2P+Drain+AL.Mylar)+16AWG*3C+Filler+AL.Mylar	11.00	41.58	146.60
WCA00011532-43	PVC	Black	UL21996	(26AWG*4P+Drain+AL.Mylar)+12AWG*3C+Filler+AL.Mylar	13.50	101.34	269.21
WCA00012137	PVC	Black	UL2725	(28AWG*1P+DAM)*2+28AWG*1P+28AWG*2C+Filler+AL.Mylar+Drain+Braid	6.00	21.80	48.20
WCA00010095	PVC	Black	UL20276	(28AWG*1P+Drain+AL+Mylar)*4C+(1P+3C)*28AWG+AL+Braid	7.30	33.90	73.70
WCA00010097	PVC	Black	UL20276	(28AWG*1P+Drain+AL+Mylar)*7C+28AWG*1P+28AWG*3C+AL+Braid	8.50	41.40	90.90
WCA00010081	PVC	Black	UL2464	[(28AWG*28C+Mylar)+28AWG*22C+Mylar]+28AWG*28C+Drain+AL	13.00	63.70	238.40
WCA00010096	PVC	Black	UL20276	[3COAX+(28AWG*1P+Drain+AL.Mylar+Mylar)*4+28AWG*1P+28AWG*6C]+AL.Mylar+Braid	8.50	53.50	93.10
WCA00010098	PVC	Black	UL20276	[3COAX+(28AWG*1P+Drain+AL+Mylar)*7+28AWG*1P+28AWG*6C]+AL+Braid	10.00	71.00	145.50
WCA00011960	PU	Black	UL20233	5C*2.5mm ² +Filler+Paper	10.20	116.00	191.00
WCA00011175	PU	Black	UL20549	8C*0.34mm ² +3C*1.0mm ² +Filler	8.60	54.00	116.00
WCA00011176	PU	Black	UL20549	16C*0.34mm ² +3C*1.0mm ² +Filler	9.70	79.00	161.00

Power-limited Circuit Cable

Specification

- Rated Voltage: 300V
- Temperature Range: FEP: 70 °C
PVC: 60 °C, 75 °C
- Test Voltage: 900Vac at 2 seconds
- Conductor Range: 28AWG ~ 10AWG
- Conductor Material Available: Standard Bare Copper
- Insulator Material Available: FEP/PVC
- Jacket Material: FEP/PVC
- O.D. Tolerance: > Ø17.8 mm



(UL) E489959-N CLXX XX AWG XX°C 300V

CLXX: UL13 Cable Type
 • Plenum Rated: (2P), (3P)
 • Riser Rated: (2R), (3R)
 • General Rated: (2), (3)
 • Residential Rated: (2X), (3X)

XX°C: Temperature Rating
 • FEP: (70)
 • PVC: (60), (75)

Features & Applications:

Type	Fire Resistance Level	UL Standard	CSA	Application
CL3P CL2P	Plenum Rated (Highest)	UL 910, CMP	FT6	• Ducts or plenums air handling space
CL3R CL2R	Riser Rated	UL 1666, CMR	-	• Vertical shafts in non-plenum areas • Cable runs more than one floor
CL3 CL2	General Purpose Rated	UL 1685, CMG/CM	FT4	• Power-limited circuit cable in non-plenum areas • Cable runs within one floor
CL3X CL2X	Residential Rated (Lowest)	VW-1, CMX	-	• Enclosed in non-plenum raceway or noncombustible tubing • Cable runs within one floor

Notes: UL File Number E489959; round or flat cable available

Find Our Standard Products

Part Number	WCA00011262-35	WCA00011263-35	WCA00011435-35	WCA00011282-35	WCA00011283-35	WCA00011272-35	WCA00011324-35	
Cable Type	CL3P	CL3P	CL3P	CL3P	CL3P	CL3P	CL3P	
Conductor	AWG	10	16	16	16	18	22	
	No.	2	2	2	8	2	2	
	Dia.	2.6	1.3	1.3	1.3	1.3	1.02	0.64
Insulation	Nom. Thick.	0.25mm	0.27mm	0.27mm	0.27mm	0.27mm	0.25mm	
	Nom. Dia.	3.5±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm	1.62±0.10mm	1.12±0.05mm
Jacket	Nom. Thick.	0.8mm	0.58mm	0.58mm	0.69mm	0.56mm	0.42mm	0.46mm
	Nom. Dia.	8.8±0.3mm	5.2±0.3mm	5.2±0.3mm	8.0±0.3mm	11.0±0.5mm	4.4±0.15mm	3.4±0.15mm
Conductor Resistance at 20°C (Max.)	3.41Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km	21.9Ω/km	55.4Ω/km	

Other cable types and customization are available upon request.

B.C.E. S.r.l.

Via Regina Pacis, 54/c - I 41049 Sassuolo (MO)
 Tel.: (+39) 0536 811616 - Fax.: (+39) 0536 811500

e-mail: bce@bce.it - Website: www.bce.it

UL 21996 Multiple-Conductor Cable Using Non-Integral Jacket

Specification

- Rated Voltage: 300V
- Temperature Range: -40°C ~ 105°C
- Test Voltage: 2000Vac at 1 minute
- Wet Temperature Rating: 60°C (Max.)
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.) /
Braid: Tinned Copper, Overlap 65% (Min.) /
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



E489039-D VW AWM 21996 XX AWG -40°C 105°C 300V VW-1 AWM I/II A/B -40°C 105°C 300V FT1 Sun Res Wet 60°C Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

Find Our Standard Products

Single Insulated Conductor Cable

Part Number		WCA00011581-43	WCA00011580-43	WCA00011548-43	WCA00011584-43	WCA00011583-43
Conductor	AWG	20	20	20	24	24
	No.	2	3	4	5	6
	Dia.	0.942mm	0.942mm	0.942mm	0.609mm	0.609mm
Insulation	Nom. Thick.	0.38mm	0.38mm	0.38mm	0.35mm	0.35mm
	Nom. Dia.	1.70±0.10mm	1.70±0.10mm	1.70±0.10mm	1.30±0.07mm	1.30±0.07mm
Shield	Style	-	-	-	-	Paper
	Overlap	-	-	-	-	25%
Conductor Resistance at 20°C (Max.)		34.6 / km	34.6 / km	34.6 / km	93.0 / km	93.0 / km
Jacket	Nom. Thick.	0.98mm	0.92mm	0.95mm	0.92mm	0.95mm
	Nom. Dia.	5.2±0.15mm	5.5±0.20mm	6.0±0.20mm	5.5±0.20mm	5.8±0.20mm

UL 21996 Multiple-Conductor Cable Using Non-Integral Jacket

Multi-conductor Cable

Part Number		WCA00011532-43		WCA00011530-43		WCA00011531-43		WCA00011582-43	
Component		A	B	A	B	A	B	A	B
Conductor	AWG	12	26	16	26	16	26	20	24
	No.	3	4	2	2	2	2	2	3
	Dia.	2.365mm	0.480mm	1.490mm	0.480mm	1.490mm	0.480mm	0.942mm	0.609mm
Insulation	Nom. Thick.	0.46mm	0.46mm	0.40mm	0.46mm	0.40mm	0.46mm	0.38mm	0.35mm
	Nom. Dia.	3.30±0.15mm	1.40±0.10mm	2.30±0.10mm	1.40±0.10mm	2.30±0.10mm	1.40±0.10mm	1.70±0.10mm	1.30±0.07mm
Shield	Style	-	Al. Mylar	-	Al. Mylar	-	Al. Mylar	-	Paper
	Overlap	-	25%	-	25%	-	25%	-	25%
Drain	AWG	-	26	-	-	-	26	-	-
	Dia.	-	0.480mm	-	-	-	0.480mm	-	-
Conductor Resistance at 20°C (Max.)		5.54 / km	148.0 / km	13.7 / km	148.0 / km	13.7 / km	148.0 / km	34.6 / km	93.0 / km
Jacket	Nom. Thick.	1.65mm		1.65mm		1.65mm		0.9mm	
	Nom. Dia.	13.5±0.40mm		9.3±0.25mm		11.0±0.30mm		6.0±0.20mm	
Impedance		120±15		120±15		120±15		-	

Customization is available upon request.

UL 21388 Jacket Cable

Specification

- Rated Voltage: 300V
- Temperature Range: ~ 80°C
- Test Voltage: 2000Vac at 1 minute
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC/PE
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.) /
Braid: Tinned Copper, Overlap 65% (Min.) /
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > \varnothing 17.8 mm
- Impedance: 100 Ω ~ 120 Ω \pm 15 Ω



E489039-D AWM 21388 XX AWG 80°C 300V VW-1 AWM I/II A/B 80°C 300V FT1 Sun Res Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL 1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

Find Our Standard Products

Part Number		WCA00011201-43	WCA00011202-43	WCA00011203-43	WCA00011204-43	WCA00011205-43	WCA00011184-43
Conductor	AWG	16	16	16	16	16	20
	No.	2	3	4	5	6	2
	Dia.	1.496mm	1.496mm	1.496mm	1.496mm	1.496mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	2.10 \pm 0.10mm	2.10 \pm 0.10mm	2.10 \pm 0.10mm	2.10 \pm 0.10mm	2.10 \pm 0.10mm	1.50 \pm 0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	6.00 \pm 0.20mm	6.50 \pm 0.20mm	6.80 \pm 0.20mm	7.60 \pm 0.20mm	8.40 \pm 0.20mm	5.50 \pm 0.20mm
Conductor Resistance at 20°C (Max.)		14.7 / km	14.7 / km	14.7 / km	14.7 / km	14.7 / km	36.7 / km

UL 21388 Jacket Cable

Find Our Standard Products

Part Number		WCA00011185-43	WCA00011186-43	WCA00011187-43	WCA00011188-43	WCA00011189-43	WCA00011190-43
Conductor	AWG	20	20	20	20	20	20
	No.	3	4	5	6	7	8
	Dia.	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	5.50±0.20mm	6.00±0.20mm	6.20±0.20mm	6.80±0.20mm	6.80±0.20mm	7.20±0.20mm
Conductor Resistance at 20°C (Max.)		36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km

Part Number		WCA00011191-43	WCA00011192-43	WCA00011193-43	WCA00011200-43	WCA00011194-43
Conductor	AWG	20	20	20	20	20
	No.	9	10	12	14	18
	Dia.	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	7.60±0.20mm	8.50±0.25mm	8.50±0.25mm	8.50±0.20mm	10.0±0.30mm
Conductor Resistance at 20°C (Max.)		36.7 / km	36.7 / km	36.7 / km	36.7 / km	36.7 / km

Customization is available upon request.

UL 2464 Multiple - Conductor Cable

Using Non-Integral Jacket

Specification

- Rated Voltage: 300V
- Temperature Range: ~ 80°C
- Test Voltage: 2000Vac at 1 minute
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC/PE
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.) /
Braid: Tinned Copper, Overlap 65% (Min.) /
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



E489039-D  AWM 2464 XX AWG 80°C 300V VW-1  AWM I/II A/B 80°C 300V FT1 Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL 1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

Question

Our most popular FAQs will help you to easily find the answers you need.



Q: What connectors can be used for power and signal distribution?

A: CERES, SENSOR, X-LOK, RBL and HS-Lok connectors. For more detailed information and guide, please refer "Product Summary Table"

Q: Can ALTW connectors be used in direct burial?

A: No, they are not designed for this type of application. They should be routed inside a conduit or other means of reinforcement if deployed underground.

Q: Can ALTW connectors be used in continuous water immersion?

A: No, there is a limitation for their immersion to water as defined on each IP rating. Only "Deeptronica" series can be used in permanent immersion.

Q: Why are ALTW connectors called waterproof if they can only be immersed for a certain period? Shouldn't they be called water resistant?

A: As long as the immersion period does not surpass the conditions specified on the IP rating, they can be referred as waterproof.

Q: What is the Ingress Protection (IP) of ALTW connectors?

A: It ranges from IP65 to IP69K.

Q: Can ALTW connectors be connected/disconnected under load?

A: By default, only connectors for data (RJ45, DVI, HDMI, and USB) can be used in hot-plugging. Power connectors need to be customized to achieve this.

FAQ

Q: Do ALTW connectors comply with MIL STD?

A: No, ALTW connectors are only evaluated under EIA, IEC and UL standards.

Q: What connectors can be used in high-speed base band data transmission?

A: Ceres, X-Lok, M12 D & X-coded, RJ45, DVI, HDMI, USB and FLOS connectors.

Q: Can ALTW connectors be customized to meet certain requirements?

A: Yes, connectors can be customized to meet customer requirements. If a certification is required, it will be applied. If not, ALTW can provide in-house test reports as a confirmation that the pre-defined specifications have been met.

Q: Do ALTW connectors have ATEX certification?

A: No. ALTW connectors are not yet certified by ATEX.

Q: What is the difference between Oleophobic and Hydrophobic protective vents? What is the main function of the vent?

A: These properties refer to the fluid resistance of the membrane in the vent. Hydrophobic means that the membrane is water repelling, while Oleophobic means the membrane is oil repelling.

They are used in applications that require the balancing of internal and external pressures such as electrical cabinets, wireless access points, control hubs and junction boxes. The trapped air inside the enclosures expands or contracts relative to the heat emitted by the components it encloses and the external ambient temperatures.



If your question is not answered here, please contact Amphenol LTW Customer Service or browse for more information on our website. www.amphenolltw.com

Scan here to contact us or e-mail us at bce@bce.it

UV Resistant

Being resistant to ultraviolet light (UV), or sunlight, means being able to withstand or resist the degradation caused by ultraviolet light.

UV light causes non-resistant materials and surfaces to fade or discolor.

Flammability

The ability of a chemical to burn or ignite, causing fire or combustion. The degree of difficulty required to cause the combustion of a chemical is quantified through fire testing.

Flammability can be classified as low (least flame-retarded) to high (most flame-retarded). From lowest to highest it is classified as follows:

- HB - horizontal slow burning: Burning rate under 76mm/min for a thickness below 3mm or the burning stops before 100mm
 - V-2: Burning stops within 30 seconds on a vertical specimen and drips of flaming particles are allowed
 - V-1: Burning stops within 30 seconds on a vertical specimen and drips of particles are allowed as long as they are not inflamed
 - V-0: Burning stops within 10 seconds on a vertical specimen and drips of particles are allowed as long as they are not inflamed
-

IEC

The International Electrotechnical Commission (IEC) is the world's leading organization for the preparation and publication of international standards for all electrical, electronic and related technologies. These are known collectively as “electrotechnology”.

The IEC provides a platform for companies, industries and governments to meet, discuss and develop the international standards they require. All IEC standards are consensus-based and represent the needs of the key stakeholders of every nation participating. Every member country has a vote on what is included into an IEC international standard.

UL 50e

This standard applies to enclosures for electrical equipment intended to be installed and used in non-hazardous locations. It covers additional environmental construction and performance requirements for enclosures.

UL 1863

This standard applies to Safety Communication - circuit Accessories. It covers telecommunications-circuit accessories, such as jack and plug assemblies, quick-connect terminal assemblies, telephone wall plates, telephone extension cords, cross-connect terminal-block assemblies, maintenance terminal modules, terminal enclosures, cable-splice enclosures, network-interface devices, wire-guide assemblies, and connector boxes.

UL 1977

These requirements cover single and multipole connectors intended for factory assembly to copper or copper alloy conductors or printed wiring boards for use in data, signal, control and power applications within and between electrical equipment.

UL 2237

This standard covers multi-point interconnection power cable assemblies. They may consist of power cable assemblies, male or female power cable fittings, panel-mounted power cable/conductor fittings and feeder-tap power cable fittings, referred to as the device in this standard, used with industrial machinery in accordance with the National Fire Protection Association Electrical Standard for Industrial Machinery, NFPA 79 that have system voltages up to and including 1,000 V.

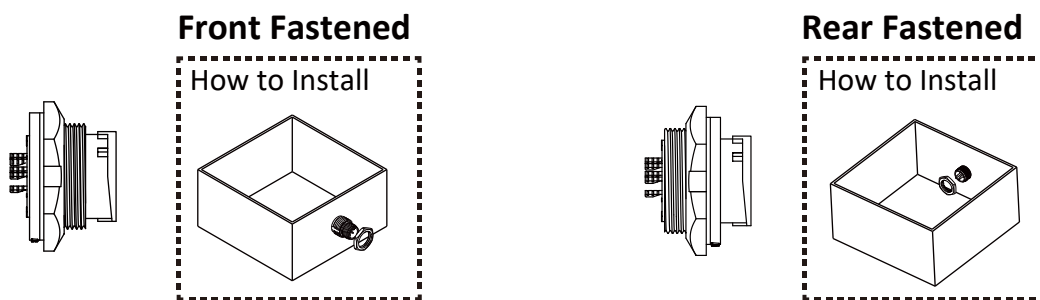
UL 2238

These requirements cover devices intended for inter-connection of equipment, sensors, and actuators in remote-control, signaling, and power-limited circuits. Included are cable assemblies and fittings, feeder-tap cable systems, feed-through connectors, multi-outlet fittings, panel-mount fittings, and splitters. These devices are rated not more than 60 A and not more than 600 V. These devices are not intended for disconnect means.

LV214

This automotive standard was developed by German car manufacturers Audi, BMW, Daimler, Porsche and Volkswagen. It addresses the ability of terminals to be effectively evaluated by crimp force monitors. The terminals must exhibit certain crimp force to be used in an automotive wire harness.

Fasten Style of Nut



Mating Style

Screw Thread

- Ceres
- USB
- Cable Gland
- D-Sub
- RJ45
- Cable Joiner
- NMEA
- DVI
- FICX
- M Series
- RF
- Vent
- Power
- HDMI
- LED In.

2 Points Lock Bayonet

- Ceres
- Power
- USB

3 Points Lock Bayonet

- Ceres
- Power
- RJ45
- Fiber

Push Pull

- M Series
- FLO & FLOS+
- HS-Lok
- USB

Push Lock With Latches

- RBL
- D-Sub
- SSL

Push Lock

- X-Lok
- USB

Termination Style



ODVA

ODVA is a global association whose members comprise of world's leading automation companies. ODVA's mission is to advance open, interoperable information and communication technologies in industrial automation. The association recognizes its media independent network protocol, the Common Industrial Protocol or "CIP" – and the network adaptations of CIP – EtherNet/IP, DeviceNet, CompoNet and ControlNet – as its core technology and the primary common interest of its membership.

ODVA's vision is to contribute to the sustainability and prosperity of the global community by transforming the model for information and communication technology in the industrial ecosystem.

NMEA 2000

NMEA 2000 is a protocol used to create a network of electronic devices – mainly marine instruments – on a boat. Various instruments that meet the NMEA 2000 standard are connected to one central cable, known as a backbone. The backbone powers each instrument and relays data among all the instruments on the network. This allows one display unit to show many different types of information and allows the instruments to work together. NMEA 2000 is meant to be "plug and play" to allow devices made by different manufacturers to talk and listen to each other.

Amphenol LTW's IPCS (Intelligent Pre-cabling Systems)

Amphenol LTW Intelligent Pre-Cabling System (IPCS) is your solution for the LED Lighting incorporation in indoor and outdoor applications. With a simplified design and wide flexibility, IPCS solves all your needs for electrical wiring and cabling infrastructure. It also provides large savings in on-site installation time and cost. The concept of IPCS is suitable for ALTW's various connector series, ideal for a large variety of customization.

Amphenol LTW's Power / Data / Hybrid Solutions

We are dedicated to developing interconnect solution to fulfill customer requirements of power or data applications, and as devices increasingly carry more functions in reduced spaces, Hybrid solutions are the answer to space limitation and multi-function. Below is the product series for Power, Data, and Hybrid applications.

0.5A ~ 2A

- Ceres
- X-Lok
- M Series
- D-Sub
- DVI
- HDMI
- USB
- HS-Lok
- FLO & FLOS+

3A ~ 5A

- Ceres
- X-Lok
- M Series
- D-Sub
- SSL
- RBL
- HS-Lok
- FLO & FLOS+
- NMEA 2000
- USB

6A ~ 10A

- Ceres
- X-Lok
- Power
- M Series
- Mini
- RBL
- FLO & FLOS+
- NMEA 2000
- USB
- FICX

11A ~ 20A

- Ceres
- X-Lok
- Power
- M Series
- FICX
- RBL
- FLO & FLOS+
- Mini
- FICX

25A ~ 30A

- Power
- FLO & FLOS+
- M Series

50A

- Power
- X-Lok

80A

- Power

Cross Section Conversion From AWG To mm²

26 AWG	0.14 mm ²	16 AWG	1.50 mm ²	4 AWG	25.00 mm ²
24 AWG	0.25 mm ²	14 AWG	2.50 mm ²	2 AWG	35.00 mm ²
22 AWG	0.34 mm ²	12 AWG	4.00 mm ²	1 AWG	50.00 mm ²
20 AWG	0.50 mm ²	10 AWG	6.00 mm ²	2/0 AWG	70.00 mm ²
18 AWG	0.75 mm ²	8 AWG	10.00 mm ²		
17 AWG	1.00 mm ²	6 AWG	16.00 mm ²		

Ingress Protection (IP) Rating Guide

Waterproof Definition

Unmated Waterproof



Standalone waterproof or waterproof is assured even without its counterpart. The water will not go through the inner portion of the exposed connector as it is entirely sealed.

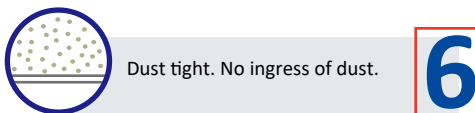
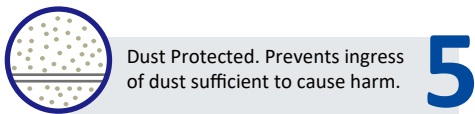
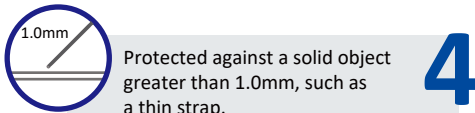
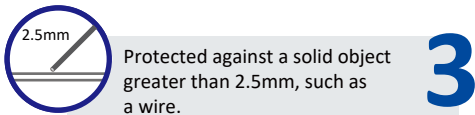
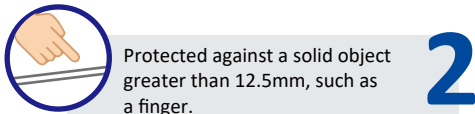
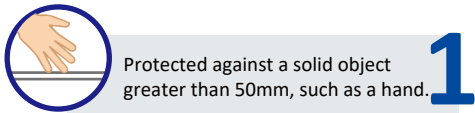
Mated Waterproof



Waterproof is only assured when mated and locked tightly to its counterpart.

1st Digit - SOLIDS

Degree of protection against solid objects



Example:



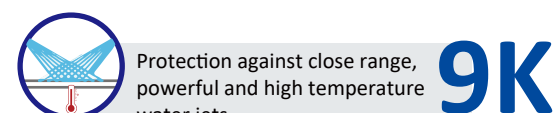
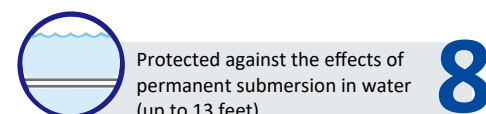
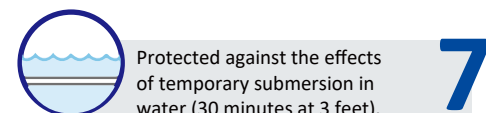
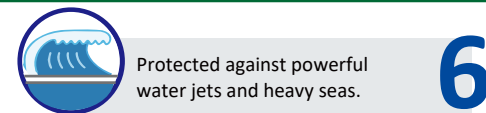
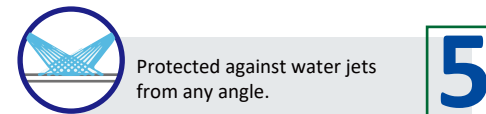
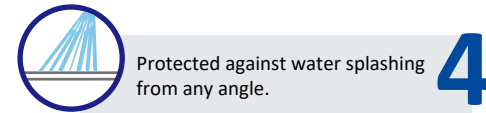
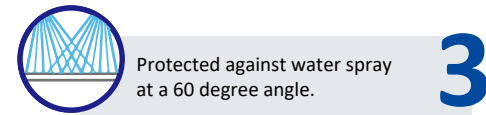
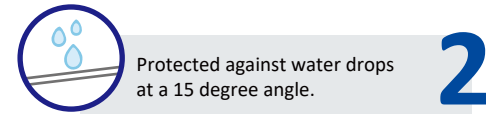
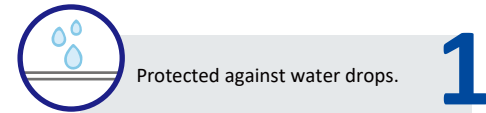
IP 65

Protected against water jets from any angle.

Dust tight. No ingress of dust.

2nd Digit - LIQUIDS

Degree of protection against water





B.C.E. s.r.l.
Via Regina Pacis, 54/c - 41049 SASSUOLO (MO) Italy
Tel. +39 0536 811.616 r.a. - Fax +39 0536 811.500
www.bce.it - E-mail: bce@bce.it

