



## TE Connectivity EN 50306-2, Single Core, 300 V AC, EBXL 120°C Rolling Stock Wire

| Application  | Product Construction   | Technical Data   |
|--|--|--|
| <ul style="list-style-type: none"> <li>✓ For mechanically protected installation in Rail/Bus and other transport vehicles.</li> <li>✓ Cables are used in Driver desks, control panels, wiring harness in inside/outside moving vehicles</li> </ul> | <ul style="list-style-type: none"> <li>✓ Conductor: Finely Stranded Annealed Electro Tinned Copper, (unilay*)</li> <li>✓ Insulation: EBXL - EL 109</li> <li>✓ Colour: White, or as per customer order</li> </ul>                               | <ul style="list-style-type: none"> <li>✓ Temperature Range: -40° to +120°C</li> <li>✓ Rated Voltage: 300 V AC</li> <li>✓ Specification: EN 50306-2</li> </ul> <p>Conductor: EN 50306-2</p> <p>In addition to EN 50306-2, wires also meet fire performance tests as per</p> <p>UNI CEI 11170-3</p> <p>DIN 5510-2</p> <p>NF F 16-101</p> <p>EN 45545-2</p> |
| Features   | 2D View  |  |
| <ul style="list-style-type: none"> <li>✓ Excellent resistance to high and low temperature</li> <li>✓ Outstanding flame retardant</li> <li>✓ Halogen free</li> <li>✓ Thin walled with excellent flexibility</li> <li>✓ Easy to strip</li> </ul>     | <ul style="list-style-type: none"> <li>✓ Resistance to oil, fuel ozone and weathering</li> <li>✓ Low smoke density</li> <li>✓ Soldering iron resistant</li> <li>✓ Electron Beam cross linked</li> <li>✓ Resistance to corona effect</li> </ul> |  |



| Cross-Section (mm <sup>2</sup> ) | Conductor Strands X Strand Diameter (Nos x mm) | Conductor Diameter Max (mm) | Insulation Thickness Min (mm) | Outer Diameter (mm) |      | Conductor Resistance Max. Ω/km | Approx. Cable Weight (kg/km) |
|----------------------------------|--|-----------------------------|-------------------------------|---------------------|------|--------------------------------|------------------------------|
|                                  |  |                             |                               | Min.                | Max. |                                |                              |
| 0.50                             | 19 X 0.18                                      | 0.95                        | 0.18                          | 1.15                | 1.45 | 40.1                           | 6                            |
| 0.75                             | 37 X 0.16                                      | 1.15                        | 0.18                          | 1.35                | 1.65 | 26.7                           | 8                            |
| 1.00                             | 37 X 0.18                                      | 1.30                        | 0.18                          | 1.45                | 1.80 | 20.0                           | 10                           |
| 1.50                             | 37 X 0.23                                      | 1.65                        | 0.22                          | 1.95                | 2.30 | 13.7                           | 15                           |
| 2.50                             | 37 X 0.30                                      | 2.15                        | 0.28                          | 2.50                | 2.85 | 8.21                           | 25                           |

Tyco Electronics UK Ltd  
Faraday Road  
Dorcan  
SWINDON  
SN3 5HH  
Tel: +44 (0)1793 528171  
Fax: +44 (0)1793 572516

TE Connectivity is a trading name of Tyco Electronics UK Ltd, which is registered in England and Wales, number 550926. Registered office: Faraday Road, Dorcan, Swindon, SN3 5HH  
Website: [www.te.com](http://www.te.com)

This drawing and the information set forth hereon are the property of Tyco Electronics UK Ltd, and are to be held in trust and confidence. Publication, duplication, disclosure or use for any purpose not expressly authorised in writing by Tyco Electronics UK Ltd is prohibited.

This specification sheet takes precedence over documents referenced herein. As Tyco Electronics UK Ltd. reserve the right to make changes in construction without notice please contact Tyco Electronics UK Ltd to ensure that this document is the latest issue.