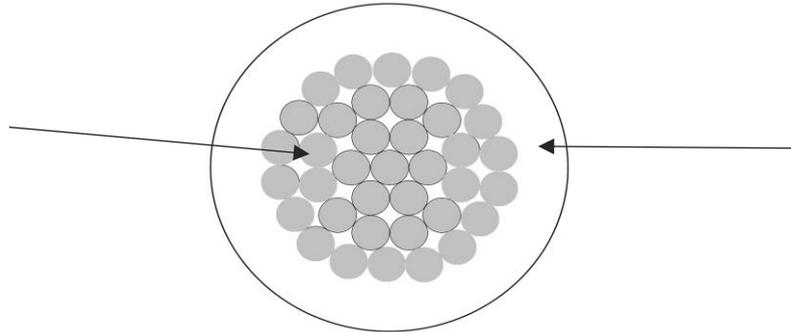


EN 50306-2, Single Core, 300V AC, EBXL 120°C Rolling Stock Cable

The complete requirements for procuring the wire described herein shall consist of this document.

**Conductor -**

Finely Stranded Annealed  
Electro Tinned Copper



**Insulation -**

EBXL - EL 109  
White

Part Description	Conductor			Finished Wire				
	Nominal Cross Sectional Area (mm <sup>2</sup> )	Conductor Stranding No./Diam. (mm)	Diameter Max. (mm)	Insulation Thickness Min. (mm)	Maximum Resistance @ 20°C (Ohms/km)	Diameter (mm)		Approx. Weight (kg/km)
						Min.	Max.	
EN50306-2-RAIL-0.50	0.50	19/0.18	0.95	0.18	40.10	1.15	1.45	6.0
EN50306-2-RAIL-0.75	0.75	37/0.16	1.15	0.18	26.70	1.35	1.65	8.0
EN50306-2-RAIL-1.00	1.00	37/0.18	1.30	0.18	20.00	1.40	1.80	10.0
EN50306-2-RAIL-1.50	1.50	37/0.23	1.65	0.22	13.70	1.90	2.30	15.0
EN50306-2-RAIL-2.50	2.50	37/0.30	2.15	0.28	8.21	2.45	2.85	25.0

**Technical Data**

Temperature Range -40°C to +120°C  
 Rated Voltage: 300 V AC  
 Specification: BS EN 50306-2:2020  
 Conductor: BS EN 50306-2:2020  
 In Addition to BS EN 50306-2 specification, products also meet fire performance tests as per:  
 UNI CEI 11170-3  
 DIN 5510-2  
 NF F 16-101  
 EN 45545-2

**Marking**

The wire shall be marked:  
**"TE CONNECTIVITY EN 50306-2 300V 1 X § M Batch Number"**  
 Where "§" = The nominal conductor cross-sectional area  
 Spaced ≤ 500mm longitudinally, measurement taken from beginning of mark.

**Approval**

Electronic sign off - no signatures will appear.