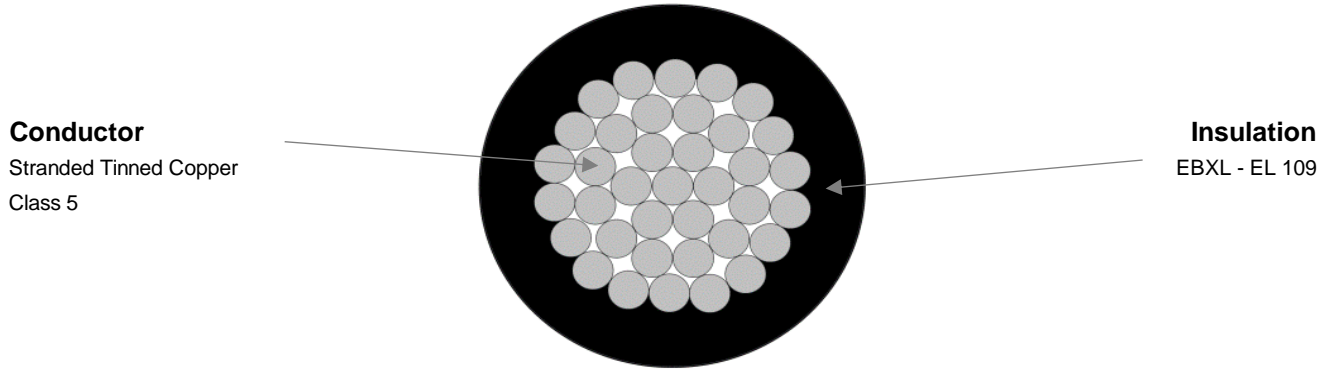


Power Cable, Single Core, 0.6 / 1 kV Unsheathed  
EBXL 90°C Rolling Stock Cable

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



Part Description	Cross Section (mm <sup>2</sup> )	Conductor Construction No. of strands x Strand Diameter  Nos x mm	Conductor Diameter (mm)		Conductor Resistance (Ω/km)		Insulation Thickness (mm) Nom.	Overall Diameter (mm)		Cable Weight (kg/km) Approx.
			Nom.	Max.	Min.	Max.				
RAIL-PC-15-1.00-*	1.0	32 X 0.20	1.3	20.0	0.6	2.4	2.8	15		
RAIL-PC-15-1.50-*	1.5	29 X 0.25	1.5	13.7	0.7	2.8	3.3	20		
RAIL-PC-15-2.50-*	2.5	47 X 0.25	2.0	8.21	0.7	3.2	3.8	30		
RAIL-PC-15-4.00-*	4	52 X 0.30	2.4	5.09	0.7	3.8	4.4	45		
RAIL-PC-15-6.00-*	6	78 X 0.30	3.0	3.39	0.7	4.2	5.0	65		
RAIL-PC-15-10.0-*	10	77 X 0.40	4.1	1.95	0.7	5.1	5.9	105		
RAIL-PC-15-16.0-*	16	126 X 0.40	5.1	1.24	0.7	6.1	7.2	160		
RAIL-PC-15-25.0-*	25	190 X 0.40	6.3	0.795	0.9	7.8	9.1	250		
RAIL-PC-15-35.0-*	35	266 X 0.40	7.6	0.565	0.9	9.0	10.6	330		
RAIL-PC-15-50.0-*	50	378 X 0.40	9.9	0.393	1.0	10.6	12.4	495		
RAIL-PC-15-70.0-*	70	350 X 0.50	11.7	0.277	1.1	12.5	14.6	665		
RAIL-PC-15-95.0-*	95	456 X 0.50	13.5	0.210	1.1	13.9	16.3	885		
RAIL-PC-15-120.0-*	120	570 X 0.50	15.2	0.164	1.2	15.7	18.4	1120		
RAIL-PC-15-150.0-*	150	722 X 0.50	17.1	0.132	1.4	17.6	20.6	1400		
RAIL-PC-15-185.0-*	185	874 X 0.50	18.6	0.108	1.6	19.6	22.9	1710		
RAIL-PC-15-240.0-*	240	1147 X 0.50	21.3	0.0817	1.7	22.2	26.0	2200		
RAIL-PC-15-300.0-*	300	1443 X 0.50	24.0	0.0654	1.8	24.6	28.8	2710		
RAIL-PC-15-400.0-*	400	1952 X 0.50	27.6	0.0495	2.0	28.1	32.9	3610		

Marking

The cables shall be marked:

**"TE CONNECTIVITY RAIL-PC-15-§-\* 600V BATCH NUMBER"**

Where "§" = The nominal conductor cross-sectional area

Where "\*" = Standard colour code designator in accordance with Mil Std 681.

Spaced ≤ 550mm longitudinally, measurement taken from beginning of mark.

Approval

Electronic sign off - no signatures will appear.



## Specification Control Drawing

### Power Cable, Single Core, 0.6 / 1 kV Unsheathed EBXL 90°C Rolling Stock Cable

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

#### Technical Data

Rated Voltage	0.6 / 1.0 kV AC
Voltage Withstand	3000 VAC
Working Temperature	-40°C to +90°C
Flammability	EN 60332-1-2
Reaction to Fire	EN 45545-2 R15 HL3
Smoke Emission	EN 45545-2 R15 HL3
Mineral Oil Resistance	EN 50264-1
Fuel Resistance	EN 50264-1
Acid & Alkali Resistance	EN 50264-1
Toxicity Index	EN 45545-2 R15 HL3
Conductor	BS EN 60228 Class 5
Specification	EN 45545-2 R15 HL3
Long Term Thermal Endurance	≥ 20,000h @ 125°C

Approval

Electronic sign off - no signatures will appear.