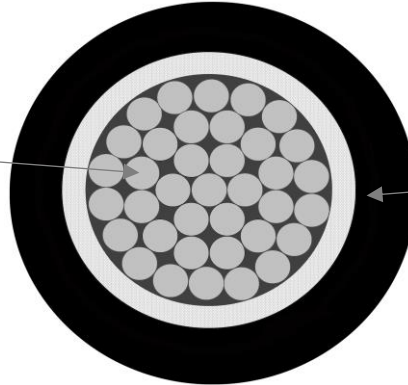


Power Cable, Single Core, 0.6 / 1 kV Unsheathed EBXL 90°C Rolling Stock Cable

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

Conductor

Stranded Tinned Copper
Class 5



Insulation

EBXL - EL 109

Part Description	Cross Section (mm ²)	Conductor Construction No. of strands x Strand Diameter Nos x mm	Conductor Diameter (mm)		Conductor Resistance (Ω/km)		Insulation Thickness (mm)	Overall Diameter (mm)			Cable Weight (kg/km) Approx.
			Nom.	Max.	Nom.	Max.		Min.	Nom.	Max.	
CH-RAIL-PC-15-1.00-*	1.0	32 X 0.20	1.3	20.0	0.6	2.4	2.6	2.8	13.9		
CH-RAIL-PC-15-1.50-*	1.5	29 X 0.25	1.5	13.7	0.7	2.8	3.0	3.2	18.5		
CH-RAIL-PC-15-2.50-*	2.5	47 X 0.25	2.0	8.21	0.7	3.3	3.5	3.7	27.8		
CH-RAIL-PC-15-4.00-*	4	52 X 0.30	2.4	5.09	0.7	3.8	4.0	4.2	41.7		
CH-RAIL-PC-15-6.00-*	6	78 X 0.30	3.0	3.39	0.7	4.4	4.6	4.8	60.2		
CH-RAIL-PC-15-10.0-*	10	77 X 0.40	4.1	1.95	0.7	5.3	5.6	5.9	97.2		
CH-RAIL-PC-15-16.0-*	16	126 X 0.40	5.1	1.24	0.7	6.4	6.7	7.0	152.8		
CH-RAIL-PC-15-25.0-*	25	190 X 0.40	6.3	0.795	0.9	8.0	8.4	8.8	236.1		
CH-RAIL-PC-15-35.0-*	35	266 X 0.40	7.6	0.565	0.9	9.3	9.7	10.1	324.1		
CH-RAIL-PC-15-50.0-*	50	378 X 0.40	9.9	0.393	1.0	11.4	11.9	12.4	458.3		
CH-RAIL-PC-15-70.0-*	70	350 X 0.50	11.7	0.277	1.1	13.6	14.1	14.6	638.9		
CH-RAIL-PC-15-95.0-*	95	456 X 0.50	13.5	0.210	1.1	15.3	15.8	16.3	847.2		
CH-RAIL-PC-15-120.0-*	120	570 X 0.50	15.2	0.164	1.2	17.4	17.9	18.4	1069.4		
CH-RAIL-PC-15-150.0-*	150	722 X 0.50	17.1	0.132	1.4	19.2	19.9	20.6	1333.3		
CH-RAIL-PC-15-185.0-*	185	874 X 0.50	18.6	0.108	1.6	21.1	22.0	22.9	1648.1		
CH-RAIL-PC-15-240.0-*	240	1147 X 0.50	21.3	0.0817	1.7	24.0	25.0	26.0	2125.0		
CH-RAIL-PC-15-300.0-*	300	1443 X 0.50	24.0	0.0654	1.8	26.4	27.6	28.8	2638.9		
CH-RAIL-PC-15-400.0-*	400	1952 X 0.50	27.6	0.0495	2.0	30.3	31.6	32.9	3518.5		

Marking

The cables shall be marked:

"TE Connectivity CH-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.