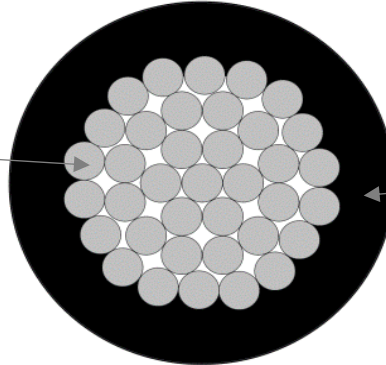


Flexible Power Cable, Single Core, 1.8 / 3 kV Unsheathed EBXL 90°C Rolling Stock Cable

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

Conductor

Stranded Tinned Copper
Class 6



Insulation

EBXL - EL 109
Black

Part Description	Cross Section (mm ²)	Conductor Construction Nos x mm	Conductor Diameter	Conductor Resistance	Insulation Thickness	Overall Diameter		Cable Weight
			(mm) Nom.	(Ω/km) Max.	(mm) Nom.	(mm) Min.	(mm) Max	(kg/km) Approx.
RAIL-PC-36-1.50-*	1.5	72 X 0.15	1.6	13.7	2.0	5.1	6.1	50
RAIL-PC-36-2.50-*	2.5	120 X 0.15	2.1	8.21	2.0	5.5	6.7	65
RAIL-PC-36-4.00-*	4	200 X 0.15	2.8	5.09	2.0	6.2	7.4	85
RAIL-PC-36-6.00-*	6	176 X 0.20	3.4	3.39	2.0	6.7	8.1	110
RAIL-PC-36-10.0-*	10	288 X 0.20	4.5	1.95	2.0	7.7	9.3	160
RAIL-PC-36-16.0-*	16	464 X 0.20	5.6	1.24	2.0	8.8	10.4	225
RAIL-PC-36-25.0-*	25	720 X 0.20	6.9	0.795	2.0	9.9	11.9	320
RAIL-PC-36-35.0-*	35	1008 X 0.20	8.2	0.565	2.2	11.1	13.3	431
RAIL-PC-36-50.0-*	50	648 X 0.30	10.7	0.393	2.2	14.0	18.8	600
RAIL-PC-36-70.0-*	70	928 X 0.30	12.2	0.277	2.2	15.0	20.0	795
RAIL-PC-36-95.0-*	95	1256 X 0.30	14.8	0.210	2.2	17.5	22.8	1030
RAIL-PC-36-120.0-*	120	1592 X 0.30	15.9	0.164	2.2	18.6	23.0	1280
RAIL-PC-36-150.0-*	150	1984 X 0.30	17.0	0.132	2.2	19.6	23.2	1570
RAIL-PC-36-185.0-*	185	1400 X 0.40	20.9	0.108	2.4	22.1	29.4	1900
RAIL-PC-36-240.0-*	240	1816 X 0.40	22.6	0.0817	2.4	25.1	29.7	2450
RAIL-PC-36-300.0-*	300	2379 X 0.40	25.0	0.0654	2.4	27.3	32.3	2980

Marking

The cables shall be marked:

"TE CONNECTIVITY RAIL-PC-36-S-* 1800V F BATCH NUMBER"

Where "S" = 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

Flexible Power Cable, Single Core, 1.8 / 3 kV Unsheathed EBXL 90°C Rolling Stock Cable

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Technical Data

Rated Voltage	1.8 / 3.0 kV AC
Voltage Withstand	6500 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 6
Specification	EN 45545-2 R15 HL3
Long Term Thermal Endurance	≥ 20,000h @ 125°C

Approval

Electronic sign off - no signatures will appear.