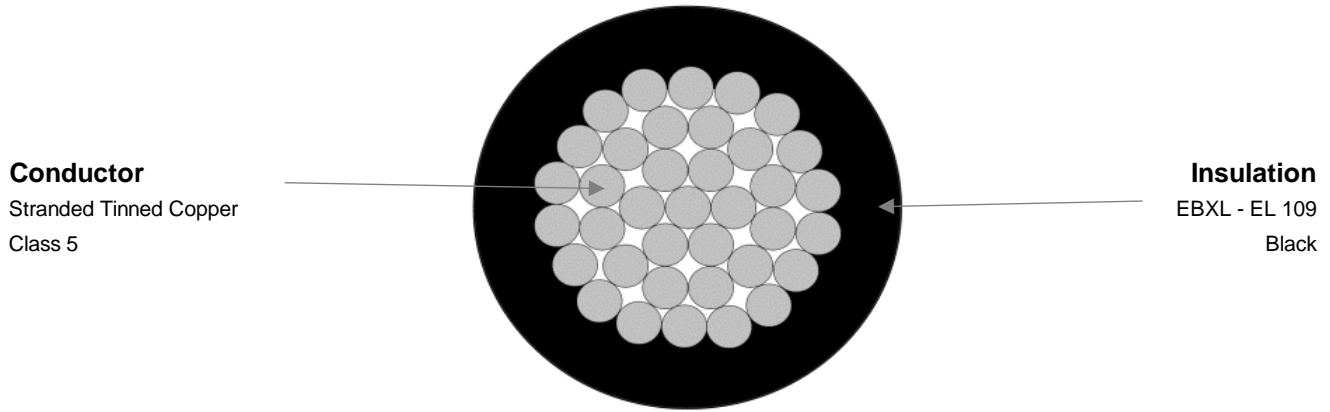


EN 50264-3-1 Single Core, 1.8 / 3 kV Unsheathed
EBXL 90°C Rolling Stock Cable

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



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.	Min.	Max.				
EN50264-RAIL-1800V-1.5	1.5	29 X 0.25	1.5	13.7	2.0	5.3	6.2	55		
EN50264-RAIL-1800V-2.5	2.5	47 X 0.25	2.0	8.2	2.0	5.7	6.7	65		
EN50264-RAIL-1800V-4	4	52 X 0.30	2.4	5.09	2.0	6.2	7.3	85		
EN50264-RAIL-1800V-6	6	78 X 0.30	3.0	3.39	2.0	6.7	7.8	105		
EN50264-RAIL-1800V-10	10	77 X 0.40	4.1	1.95	2.0	7.5	8.8	155		
EN50264-RAIL-1800V-16	16	126 X 0.40	5.1	1.24	2.0	8.6	10.0	215		
EN50264-RAIL-1800V-25	25	190 X 0.40	6.3	0.80	2.0	9.9	11.6	300		
EN50264-RAIL-1800V-35	35	266 X 0.40	7.6	0.565	2.0	11.1	13.0	400		
EN50264-RAIL-1800V-50	50	378 X 0.40	9.7	0.393	2.0	12.5	14.6	550		
EN50264-RAIL-1800V-70	70	350 X 0.50	11.7	0.277	2.0	14.2	16.6	740		
EN50264-RAIL-1800V-95	95	456 X 0.50	13.5	0.210	2.2	16.0	18.7	980		
EN50264-RAIL-1800V-120	120	570 X 0.50	15.2	0.164	2.2	17.6	20.6	1190		
EN50264-RAIL-1800V-150	150	722 X 0.50	17.1	0.132	2.2	19.1	22.3	1480		
EN50264-RAIL-1800V-185	185	874 X 0.50	18.6	0.108	2.4	20.9	24.4	1820		
EN50264-RAIL-1800V-240	240	1147 X 0.50	21.3	0.082	2.4	23.7	27.5	2300		
EN50264-RAIL-1800V-300	300	1443 X 0.50	24.0	0.0654	2.4	25.6	30.1	2830		
EN50264-RAIL-1800V-400	400	1952 X 0.50	27.6	0.0495	2.6	29.2	34.2	3700		

Marking

The cables shall be marked:

"TE CONNECTIVITY EN 50264-3-1 1800V § M"

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

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

Approval

Electronic sign off - no signatures will appear.



Specification Control Drawing

EN50264-1800V

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EN 50264-3-1 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.

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 50264-1
Smoke Emission	EN 61034-2 ≥70%
Mineral Oil Resistance	EN 50264-1
Fuel Resistance	EN 50264-1
Acid & Alkali Resistance	EN 50264-1
Toxicity Index	EN 50305 Cl. 9.2 ITC ≤ 3
Conductor	BS EN 60228 Class 5
Specification	BS EN 50264-3-1
Long Term Thermal Endurance	≥ 20,000h @ 125°C

Approval

Electronic sign off - no signatures will appear.