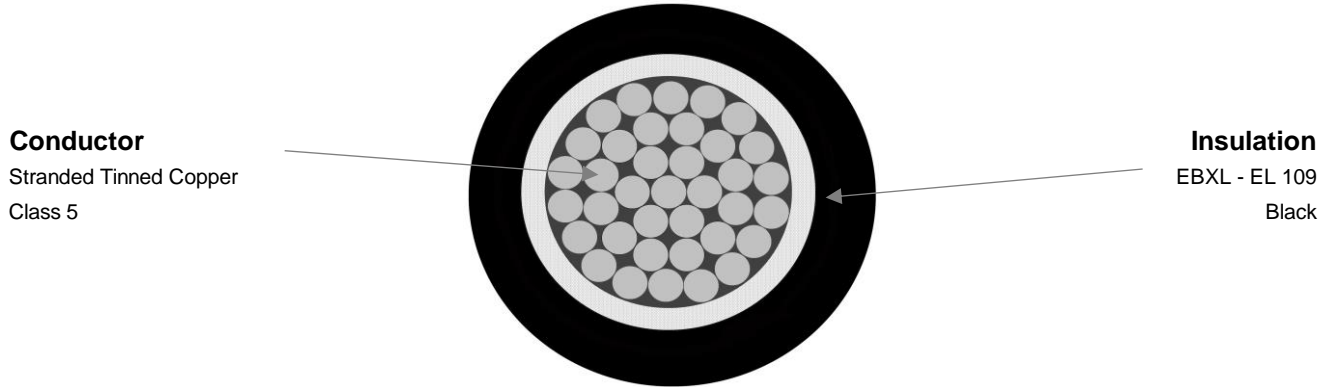


EN 50264-3-1 Single Core, 0.6 / 1 kV Unsheathed
EBXL 90°C Rolling Stock Cable

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



Part Description	Cross Section (mm ²)	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.				
EN50264-RAIL-600V-1.0	1.0	32 X 0.20	1.3	20.0	0.6	2.4	2.8	13.9		
EN50264-RAIL-600V-1.5	1.5	29 X 0.25	1.5	13.7	0.7	2.8	3.3	18.5		
EN50264-RAIL-600V-2.5	2.5	47 X 0.25	2.0	8.21	0.7	3.2	3.8	27.8		
EN50264-RAIL-600V-4	4	52 X 0.30	2.4	5.09	0.7	3.8	4.4	41.7		
EN50264-RAIL-600V-6	6	78 X 0.30	3.0	3.39	0.7	4.2	5.0	60.2		
EN50264-RAIL-600V-10	10	77 X 0.40	4.1	1.95	0.7	5.1	5.9	97.2		
EN50264-RAIL-600V-16	16	126 X 0.40	5.1	1.24	0.7	6.1	7.2	152.8		
EN50264-RAIL-600V-25	25	190 X 0.40	6.3	0.795	0.9	7.8	9.1	236.1		
EN50264-RAIL-600V-35	35	266 X 0.40	7.6	0.565	0.9	9.0	10.6	324.1		
EN50264-RAIL-600V-50	50	378 X 0.40	9.7	0.393	1.0	10.6	12.4	458.3		
EN50264-RAIL-600V-70	70	350 X 0.50	11.7	0.277	1.1	12.5	14.6	638.9		
EN50264-RAIL-600V-95	95	456 X 0.50	13.5	0.210	1.1	13.9	16.3	847.2		
EN50264-RAIL-600V-120	120	570 X 0.50	15.2	0.164	1.2	15.7	18.4	1069.4		
EN50264-RAIL-600V-150	150	722 X 0.50	17.1	0.132	1.4	17.6	20.6	1333.3		
EN50264-RAIL-600V-185	185	874 X 0.50	18.6	0.108	1.6	19.6	22.9	1648.1		
EN50264-RAIL-600V-240	240	1147 X 0.50	21.3	0.0817	1.7	22.2	26.0	2125.0		
EN50264-RAIL-600V-300	300	1443 X 0.50	24.0	0.0654	1.8	24.6	28.8	2638.9		
EN50264-RAIL-600V-400	400	1952 X 0.50	27.6	0.0495	2.0	28.1	32.9	3518.5		

Marking

The cables shall be marked:

"TE Connectivity EN 50264-3-1 600V § 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

EN 50264-3-1 Single Core, 0.6 / 1 kV Unsheathed EBXL 90°C Rolling Stock Cable

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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 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.