



Siechem 9GKW Single Core 4 kV Dual Wall Insulated Flexible EBXL Cables for Electric Locomotives

Application

- ✓ Dual wall EBXL cables for protected permanent installation inside and out side railway rolling stock to connect fixed and moving parts.
- ✓ For WAG - 9 / WAP - 5 Locomotive

Product Construction

- ✓ Conductor : Annealed Tinned Flexible copper conductor, acc. to IEC 228, Class 5
- ✓ Insulation : Electron Beam Cross Linked Copolymer - Red
- ✓ Outersheath : Electron Beam Cross Linked Copolymer - Black

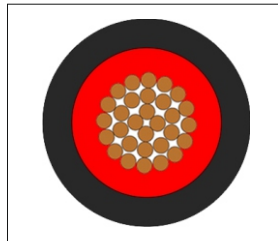
Technical Data

- ✓ Temperature Range : -40°C to +120°C.
- ✓ Rated Voltage : 4 kV AC
- ✓ Short Circuit Temp : +280°C.
- ✓ Test Voltage : 12kV for 15 mins
- ✓ Min. Bending Radius : 3 x OD for Cable dia ≤10mm
5 x OD for Cable dia >10mm
- ✓ Flame Retardant : As per IEC 332 - 1
- ✓ Specification : CLWES/3/0458 DS-2

Features

- ✓ Halogen free
- ✓ Limited fire hazard type
- ✓ Minimum flame spread
- ✓ Low smoke emission
- ✓ Less toxic fume emission
- ✓ Electron Beam Irradiated Cross Linked
- ✓ Easy to strip
- ✓ Excellent resistance to high & low temperature, Oil, Ozone, Weathering and Abrasion

2D View



Approvals | Accreditations | Certifications



Part Number	Nominal Cross Sectional Area of Core (mm ²)	Conductor Typical Construction (Nos. x Nos. x mm)	Nom. Conductor Dia (mm)	Minimum Wall Thickness		Cable Dia (mm)	Max. Resistance of Conductor at 20°C (Ohm/km)	Cable Weight (Kg/Km) Nom.	Current Rating in Air at 30°C (A)
				Insulation (mm)	Sheath (mm)				
872270104	10	1 x 80 x 0.40	4.2	0.70	0.80	7.50 ± 0.20	1.95	140	111
872280104	16	7 x 18 x 0.40	5.5	0.85	0.95	9.40 ± 0.30	1.24	210	153
872300104	25	7 x 27 x 0.40	6.8	0.85	0.95	10.90 ± 0.40	0.795	290	203
872370104	70	12 x 29 x 0.50	11.5	1.05	1.15	16.50 ± 0.40	0.277	770	402
872380104	95	12 x 38 x 0.50	12.9	1.20	1.30	18.30 ± 0.50	0.210	1020	489
872410104	120	19 x 30 x 0.50	14.8	1.30	1.40	20.60 ± 0.50	0.164	1300	578
872420104	150	19 x 39 x 0.50	16.3	1.35	1.45	22.90 ± 0.50	0.132	1610	670

** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.

