



Siechem BS EN 50382-2 Single Core, ATC Conductor, Silicone Rubber Insulated, Screened and Unsheathed 3.6/6kV Rated Type FXZ 120°C Rolling Stock Cable

Application

- ✓ Recommended for high temperature applications in railway vehicles (locomotives, trains, trolley buses)
- ✓ Used as power and control cables for protected installation inside & outside of rolling stock
- ✓ Used in auxillary & main circuit wiring such as control panels, monitoring control, electric heating, lighting etc.

Product Construction

- ✓ Conductor : Annealed Tinned Copper Class 6 Conductor as per EN 60228
- ✓ Insulation : EI 111 (Silicone) with properties according to BS EN 50382-1
- ✓ Screen : Textile Braid within the insulation

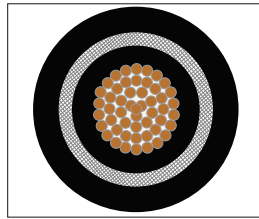
Technical Data

- ✓ Specification : BS EN 50382-2 : 2008
- ✓ Hazard Level Classification as per EN 45545-2, HL3
- ✓ Test voltage : 11kV
- ✓ Rated Voltage : 3.6/6kV
- ✓ Max. Operating Temperature : 120°C
- ✓ Type FXZ as per BS EN 50382-2
 - F : EI 111 (Insulation Material)
 - X : Class 6 Conductor
 - Z : Textile Braid
- ✓ Cables also meet fire performance tests as per DIN 5510-2, BS 6853, NFPA -130, NF F 16-101

Features

- ✓ Halogen free.
- ✓ Flame retardant.
- ✓ Oil resistant.
- ✓ Low temperature resistant.
- ✓ Excellent flexibility.
- ✓ Low smoke density.
- ✓ Resistance to ozone, chemical oil and fuel.

2D View



Approvals Accreditations Certifications



Part Number	Cross Section (mm ²)	Conductor Construction No. of Strands x Strand dia. (Nos x mm)	Max. Conductor Resistance at 20°C (Ω/km)	Insulation Thickness (mm) (Nom)	Overall Diameter (mm)		Cable Weight (kg/km) approx.
					(Min)	(Max)	
59834XX*	50	648 X 0.30	0.393	3.0	15.2	18.6	610
59837XX	70	928 X 0.30	0.277	3.0	16.9	20.6	805
59838XX	95	1256 X 0.30	0.210	3.0	18.3	22.2	1040
59841XX	120	1592 X 0.30	0.164	3.1	20.1	24.3	1285
59842XX	150	1984 X 0.30	0.132	3.1	21.6	26.1	1560
59844XX	185	2400 X 0.40	0.108	3.2	23.4	28.2	1890

Note : XX* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

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



www.siechem.com