



Siechem BS EN 50382-2 Single Core, ATC Conductor, Silicone Insulated, Sheathed, 1.8/3kV Rated Type FF 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 5 Conductor as per EN 60228
- ✓ Insulation : EI 111(Silicone) with properties according to BS EN 50382-1
- ✓ Sheath : EM 106 (Silicone) with properties according to BS EN 50382-1

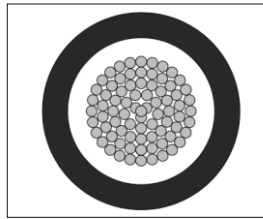
Technical Data

- ✓ Specification : BS EN 50382-2 : 2008
- ✓ Hazard Level Classification as per EN 45545-2, HL3
- ✓ Test voltage : 6.5kV
- ✓ Maximum Operating Temperature : 120°C
- ✓ Rated Voltage : 1.8/3kV
- ✓ Type FF as per BS EN 50382-2
 - F : EI 111 (Insulation Material)
 - F : EM 106 (Sheath Material)
- ✓ Cables also meet fire performance tests as per DIN 5510-2
BS 6853
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



Siechem BS EN 50382-2 1.8 kV 1 x 185 FF 120

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)	Sheath Thickness (mm) (Nom)	Overall Diameter (mm)		Cable Weight (Kg/Km) approx.
						(Min)	(Max)	
56613XXYY*	1.5	30 X 0.25	13.7	1.3	1.4	6.8	7.9	78
56616XXYY	2.5	50 X 0.25	8.21	1.3	1.4	7.2	8.4	93
56619XXYY	4	56 X 0.30	5.09	1.3	1.4	7.7	9.0	113
56623XXYY	6	84 X 0.30	3.39	1.3	1.4	8.2	9.6	137
56627XXYY	10	80 X 0.40	1.95	1.5	1.4	9.4	11.0	199
56628XXYY	16	126 X 0.40	1.24	1.5	1.4	10.5	12.2	265
56630XXYY	25	196 X 0.40	0.795	1.8	1.4	12.3	14.4	377
56632XXYY	35	276 X 0.40	0.565	1.8	1.4	13.6	15.9	479
56634XXYY	50	396 X 0.40	0.393	1.8	1.4	15.0	17.5	627
56637XXYY	70	360 X 0.50	0.277	1.8	1.5	16.8	19.7	837
56638XXYY	95	475 X 0.50	0.210	2.2	1.5	19.0	22.2	1119
56641XXYY	120	608 X 0.50	0.164	2.2	1.6	20.8	24.3	1366
56642XXYY	150	756 X 0.50	0.132	2.2	1.6	22.3	26.1	1644
56644XXYY	185	925 X 0.50	0.108	2.4	1.7	24.5	28.6	2001
56646XXYY	240	1221 X 0.50	0.0817	2.4	1.8	27.1	31.7	2520
56648XXYY	300	1525 X 0.50	0.0654	2.4	1.9	29.5	34.6	3040
56649XXYY	400	2013 X 0.50	0.0495	2.6	2.0	33.2	38.9	3894

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



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