



## Siechem BS EN 50382-2 Single Core, ATC Conductor, Silicone Rubber Insulated Unsheathed 3.6/6kV Rated Type F 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 auxiliary & 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

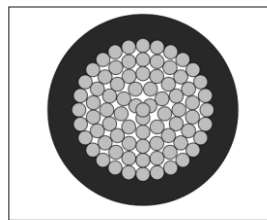
### Technical Data

- ✓ 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 F as per BS EN 50382-2  
F : EI 111 (Insulation 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 3.6kV 1 x 240 F 120

Part Number	Cross Section (mm <sup>2</sup> )	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)	
56716XX*	2.5	50 X 0.25	8.21	3.0	7.6	8.9	78
56719XX	4	56 X 0.30	5.09	3.0	8.1	9.5	97
56723XX	6	84 X 0.30	3.39	3.0	9.0	10.6	120
56727XX	10	80 X 0.40	1.95	3.0	9.5	11.1	169
56728XX	16	126 X 0.40	1.24	3.0	10.5	12.3	232
56730XX	25	196 X 0.40	0.795	3.0	11.8	13.8	322
56732XX	35	276 X 0.40	0.565	3.0	13.0	15.2	418
56734XX	50	396 X 0.40	0.393	3.0	14.4	16.9	559
56737XX	70	360 X 0.50	0.277	3.0	16.1	18.9	744
56738XX	95	475 X 0.50	0.210	3.0	17.5	20.5	994
56741XX	120	608 X 0.50	0.164	3.1	19.3	22.6	1220
56742XX	150	756 X 0.50	0.132	3.1	20.8	24.4	1487
56744XX	185	925 X 0.50	0.108	3.2	22.6	26.5	1794
56746XX	240	1221 X 0.50	0.0817	3.4	25.4	29.8	2277
56748XX	300	1525 X 0.50	0.0654	3.4	27.7	32.4	2775
56749XX	400	2013 X 0.50	0.0495	3.4	30.8	36.0	3610

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	



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