



## Siechem BS EN 50382-2 Single Core, ATC Conductor, Silicone Rubber Insulated and sheathed 3.6/6kV 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 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
- ✓ Sheath : EM 106 (Silicone) with properties according to BS EN 50382-1

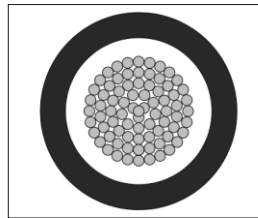
### Technical Data

- ✓ Specification : BS EN 50382-2 : 2008
- ✓ Hazard Level Classification as per EN 45545-2, HL3
- ✓ Test voltage : 11kV
- ✓ Rated Voltage : 3.6/6kV
- ✓ Max. Operating Temperature : 120°C
- ✓ Type FF as per BS EN 50382--2
  - F : EI 111 (Insulation Material)
  - F : EM106 (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 3.6kV 1 x 120 FF 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)	Sheath Thickness (mm) (Nom)	Overall Diameter (mm)		Cable Weight (Kg/Km) approx.
						(Min)	(Max)	
56916XXYY*	2.5	50 X 0.25	8.21	2.6	1.4	9.9	11.6	93
56919XXYY	4	56 X 0.30	5.09	2.6	1.4	10.4	12.2	113
56923XXYY	6	84 X 0.30	3.39	2.6	1.4	10.9	12.8	137
56927XXYY	10	80 X 0.40	1.95	2.6	1.4	11.8	13.8	199
56928XXYY	16	126 X 0.40	1.24	2.6	1.4	12.8	15.0	265
56930XXYY	25	196 X 0.40	0.795	2.9	1.4	14.7	17.2	377
56932XXYY	35	276 X 0.40	0.565	2.9	1.4	15.9	18.6	479
56934XXYY	50	396 X 0.50	0.393	2.9	1.5	17.5	20.5	627
56937XXYY	70	360 X 0.50	0.277	2.9	1.5	19.2	22.4	837
56938XXYY	95	475 X 0.50	0.210	2.9	1.6	20.8	24.3	1119
56941XXYY	120	608 X 0.50	0.164	2.9	1.6	22.4	26.2	1366
56942XXYY	150	756 X 0.50	0.132	2.9	1.7	24.1	28.2	1644
56944XXYY	185	925 X 0.50	0.108	3.2	1.8	26.4	30.9	2001
56946XXYY	240	1221 X 0.50	0.0817	3.4	1.9	29.4	34.4	2520
56948XXYY	300	1525 X 0.50	0.0654	3.4	1.9	31.7	37.1	3040
56949XXYY	400	2013 X 0.50	0.0495	3.4	2.0	35.0	40.9	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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