



Siechem BS EN 50382-2 Single Core, ATC Conductor, Silicone Insulated Unsheathed, 1.8/3kV, Rated Type F 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

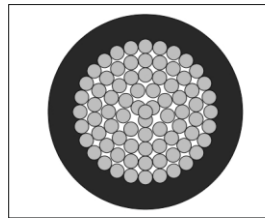
Technical Data

- ✓ Specification : BS EN 50382-2 : 2008
- ✓ Hazard Level Classification as per EN 45545-2, HL3
- ✓ Test voltage : 6.5 kV
- ✓ Maximum Operating Temperature : 120°C
- ✓ Rated Voltage : 1.8/3 kV
- ✓ 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, NFPA -130, NF F 16-101

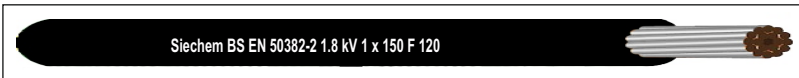
Features

- ✓ 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)	
56513XX*	1.5	30 X 0.25	13.7	2.5	6.3	7.3	64
56516XX	2.5	50 X 0.25	8.21	2.5	6.7	7.8	78
56519XX	4	56 X 0.30	5.09	2.5	7.2	8.4	97
56523XX	6	84 X 0.30	3.39	2.5	7.7	9.0	120
56527XX	10	80 X 0.40	1.95	2.5	8.5	10.0	169
56528XX	16	126 X 0.40	1.24	2.5	9.6	11.2	232
56530XX	25	196 X 0.40	0.795	2.5	10.9	12.7	322
56532XX	35	276 X 0.40	0.565	2.5	12.1	14.1	418
56534XX	50	396 X 0.40	0.393	2.5	13.5	15.8	559
56537XX	70	360 X 0.50	0.277	2.5	15.2	17.8	744
56538XX	95	475 X 0.50	0.210	2.7	17.0	19.9	994
56541XX	120	608 X 0.50	0.164	2.7	18.6	21.7	1220
56542XX	150	756 X 0.50	0.132	2.7	20.1	23.5	1487
56544XX	185	925 X 0.50	0.108	2.7	21.7	25.4	1794
56546XX	240	1221 X 0.50	0.0817	2.7	24.1	28.2	2277
56548XX	300	1525 X 0.50	0.0654	2.7	26.4	30.9	2775
56549XX	400	2013 X 0.50	0.0495	2.9	29.9	34.9	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	

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



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