

Siechem ATC Conductor, Silicone Insulated and Sheathed 1.8 / 3 kV Type FC 120°C 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.

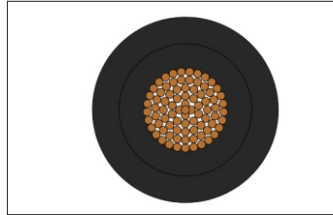
Features

- ✓ Halogen free
- ✓ Flame retardant
- ✓ Oil resistant
- ✓ Low temperature resistant
- ✓ Resistance to ozone, chemical oil and fuel

Product Construction

- ✓ Conductor : Annealed Tinned Class 5 Copper Conductor as per EN 60228
- ✓ Insulation : EBXL - EI 111 as per EN 50382-1
- ✓ Sheath : EBXL - EM 105 as per EN 50382-1

2D View



Technical Data

- ✓ Specification : BS EN 50382-2:2008
- ✓ Test Voltage : 6.5 kV
- ✓ Maximum Operating Temperature : 120°C
- ✓ Working Voltage : 1.8 / 3 kV
- ✓ Type FC as per BS EN 50382-2
- F : EI 111 (Insulation Material)
- C : EM 105 (Sheath Material)

	ISO 9001	ISO 14001	OHSAS 18001	AS 9100
AS 45001		ALSTOM		

Part Number	Size	Conductor Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Overall Diameter		Max. Conductor Resistance at 20°C	Weight (Approx.)
					Min	Max		
	mm ²	mm	mm	mm	mm	mm	Ω/km	Kg/Km
A38513XXYY*	1.5	1.5	1.3	1.4	6.8	7.9	13.7	82
A38516XXYY	2.5	1.95	1.3	1.4	7.2	8.4	8.21	97
A38519XXYY	4	2.5	1.3	1.4	7.7	9.0	5.09	118
A38523XXYY	6	3.0	1.3	1.4	8.2	9.6	3.39	144
A38527XXYY	10	3.9	1.5	1.4	9.4	11.0	1.95	208
A38528XXYY	16	5.0	1.5	1.4	10.5	12.2	1.24	278
A38530XXYY	25	6.4	1.8	1.4	12.3	14.4	0.795	396
A38532XXYY	35	7.7	1.8	1.4	13.6	15.9	0.565	504
A38534XXYY	50	9.2	1.8	1.4	15.0	17.5	0.393	661
A38537XXYY	70	11.0	1.8	1.5	16.8	19.7	0.277	884
A38538XXYY	95	12.5	2.2	1.5	19.0	22.2	0.210	1171
A38541XXYY	120	14.2	2.2	1.6	20.8	24.3	0.164	1433
A38542XXYY	150	15.8	2.2	1.6	22.3	26.1	0.132	1729
A38544XXYY	185	17.5	2.4	1.7	24.5	28.6	0.108	2119
A38546XXYY	240	20.1	2.4	1.8	27.1	31.7	0.0187	2672
A38548XXYY	300	22.5	2.4	1.9	29.5	34.6	0.0654	3229
A38549XXYY	400	25.8	2.6	2.0	33.2	38.9	0.0495	4144

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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