

**Siechem ATC Conductor, Silicone Rubber Insulated and Sheathed 1.8 / 3 kV Rated Type OC 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.

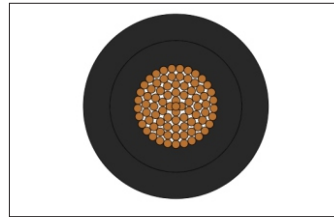
**Features**

- ✓ 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 112 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 : 11 kV
- ✓ Working Voltage : 1.8 / 3 kV
- ✓ Max. Operating Temperature : 120°C
- ✓ Type OC as per BS EN 50382-2
  - O : EI 112 (Insulation Material)
  - C : EM 105 (Sheath Material)

	<b>ISO 9001</b>	<b>ISO 14001</b>	<b>OHSAS 18001</b>	<b>AS 9100</b>
<b>AS 45001</b>		<b>ALSTOM</b>		

Part Number	Size	Conductor Diameter	Nominal Insulation Thickness	Nominal Sheath Thickness	Overall Diameter		Max. Conductor Resistance at 20°C	Weight (Approx.)
					Min	Max		
	mm <sup>2</sup>	mm	mm	mm	mm	mm	Ω/km	Kg/Km
A11613XXYY*	1.5	1.5	1.3	1.4	6.8	7.9	13.7	82
A11616XXYY	2.5	1.95	1.3	1.4	7.2	8.4	8.21	97
A11619XXYY	4	2.5	1.3	1.4	7.7	9.0	5.09	118
A11623XXYY	6	3.0	1.3	1.4	8.2	9.6	3.39	144
A11627XXYY	10	3.9	1.5	1.4	9.4	11.0	1.95	208
A11628XXYY	16	5.0	1.5	1.4	10.5	12.2	1.24	278
A11630XXYY	25	6.4	1.8	1.4	12.3	14.4	0.795	396
A11632XXYY	35	7.7	1.8	1.4	13.6	15.9	0.565	504
A11634XXYY	50	9.2	1.8	1.4	15.0	17.5	0.393	661
A11637XXYY	70	11.0	1.8	1.8	16.8	19.7	0.277	884
A11638XXYY	95	12.5	2.2	2.2	19.0	22.2	0.210	1171
A11641XXYY	120	14.2	2.2	2.2	20.8	24.3	0.164	1433
A11642XXYY	150	15.8	2.2	2.2	22.3	26.1	0.132	1729
A11644XXYY	185	17.5	2.4	2.4	24.5	28.6	0.108	2119
A11646XXYY	240	20.1	2.4	2.4	27.1	31.7	0.0187	2672
A11648XXYY	300	22.5	2.4	2.4	29.5	34.6	0.0654	3229
A11649XXYY	400	25.8	2.6	2.6	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	

