

Siechem ATC Conductor, Silicone Rubber Insulated and Sheathed 3.6 / 6 kV Rated 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.

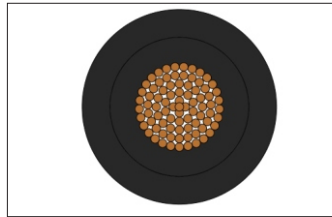
Features

- ✓ 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 : 11 kV
- ✓ Working Voltage : 3.6 / 6 kV
- ✓ Max. Operating Temperature : 120°C
- ✓ 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 |
| A38616XXYY* | 2.5 | 1.95 | 2.6 | 1.4 | 9.9 | 11.6 | 8.21 | 156 |
| A38619XXYY | 4 | 2.5 | 2.6 | 1.4 | 10.4 | 12.2 | 5.09 | 180 |
| A38623XXYY | 6 | 3.0 | 2.6 | 1.4 | 10.9 | 12.8 | 3.39 | 210 |
| A38627XXYY | 10 | 3.9 | 2.6 | 1.4 | 11.8 | 13.8 | 1.95 | 270 |
| A38628XXYY | 16 | 5.0 | 2.6 | 1.4 | 12.8 | 15.0 | 1.24 | 346 |
| A38630XXYY | 25 | 6.4 | 2.9 | 1.4 | 14.7 | 17.2 | 0.795 | 473 |
| A38632XXYY | 35 | 7.7 | 2.9 | 1.4 | 15.9 | 18.6 | 0.565 | 588 |
| A38634XXYY | 50 | 9.2 | 2.9 | 1.5 | 17.5 | 20.5 | 0.393 | 771 |
| A38637XXYY | 70 | 11.0 | 2.9 | 1.5 | 19.2 | 22.4 | 0.277 | 987 |
| A38638XXYY | 95 | 12.5 | 2.9 | 1.6 | 20.8 | 24.3 | 0.210 | 1254 |
| A38641XXYY | 120 | 14.2 | 2.9 | 1.6 | 22.4 | 26.2 | 0.164 | 1512 |
| A38642XXYY | 150 | 15.8 | 2.9 | 1.7 | 24.1 | 28.2 | 0.132 | 1825 |
| A38644XXYY | 185 | 17.5 | 3.2 | 1.8 | 26.4 | 30.9 | 0.108 | 2238 |
| A38646XXYY | 240 | 20.1 | 3.4 | 1.9 | 29.4 | 34.4 | 0.0817 | 2833 |
| A38648XXYY | 300 | 22.5 | 3.4 | 1.9 | 31.7 | 37.1 | 0.0654 | 3380 |
| A38649XXYY | 400 | 25.8 | 3.4 | 2.0 | 35.0 | 40.9 | 0.0495 | 4267 |

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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