



Siechem 9 GKW/T EMC Single Core, Screened, 3600/6000V AC, 5400/9000V DC, EBXL 120°C Rolling Stock Cable

Application

- ✓ For carriage wiring, terminal boxes, control panels, wiring harness in inside/outside the moving vehicle.
- ✓ For Rail/Bus and other transport vehicles.
- ✓ For switch gears and control gear manufacturing.

Product Construction

- ✓ Conductor : Finely Stranded Annealed Electro Tinned Copper, Class 5.
- ✓ Insulation : EBXL - LSZH, EI 110 Red
- ✓ Innersheath : EBXL - LSZH EI 09 Black colour.
- ✓ Screen : Tinned Copper Braid-S
- ✓ Separator Tape
- ✓ Outersheath : EBXL- LSZH , EM 104 Black colour or as per customer order.

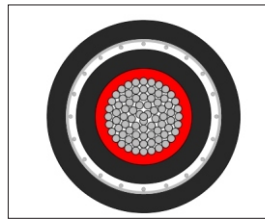
Technical Data

- ✓ Temperature Range : -50°C to +120°C.
- ✓ Rated Voltage : 3600/6000V AC 5400/9000V DC
- ✓ Test Voltage : 11kV AC for 5 min.
- ✓ Specification : Generally to BS EN 50264 & BS EN 50306 In addition to BS EN 50264 spec, cables also meet fire performance tests as per EN 45545 - 2 HL3, BS 6853, DIN 5510-2 NF F 16-101, NFPF -130

Features

- ✓ Excellent resistance to high and low temperature
- ✓ Outstanding Flame retardant
- ✓ Halogen free
- ✓ Thin walled with excellent flexibility
- ✓ Resistance to oil, fuel, ozone, damp and humid weather conditions
- ✓ Smooth and abrasion resistant surface
- ✓ Easy to strip
- ✓ Low smoke density
- ✓ Soldering iron resistant
- ✓ High melting points for insulation
- ✓ Electron Beam Cross Linked.
- ✓ Resistance to corona effect.

2D View



| Approvals | Accreditations | Certifications |
|-----------|----------------|----------------|
| | | |
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| 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) | Min. Core dia (mm) | Outer diameter (mm) (Nom) | Cable Weight (Kg/Km) approx. |
|-------------|----------------------------------|--|--|--------------------|---------------------------|------------------------------|
| 58513XXYY* | 1.5 | 30 X 0.25 | 13.7 | 4.5 | 6.6 ± 0.15 | 76 |
| 58516XXYY | 2.5 | 50 X 0.25 | 8.21 | 5.1 | 7.2 ± 0.15 | 97 |
| 58519XXYY | 4 | 56 X 0.30 | 5.09 | 5.7 | 8.2 ± 0.15 | 123 |
| 58523XXYY | 6 | 84 X 0.30 | 3.39 | 6.3 | 9.1 ± 0.20 | 157 |
| 58527XXYY | 10 | 80 X 0.40 | 1.95 | 7.5 | 10.4 ± 0.20 | 224 |
| 58528XXYY | 16 | 126 X 0.40 | 1.24 | 9.4 | 12.4 ± 0.25 | 340 |
| 58530XXYY | 25 | 189 X 0.40 | 0.795 | 11.0 | 14.3 ± 0.30 | 433 |
| 58532XXYY | 35 | 259 X 0.40 | 0.565 | 12.6 | 15.7 ± 0.30 | 561 |
| 58534XXYY | 50 | 378 X 0.40 | 0.393 | 14.6 | 17.7 ± 0.30 | 741 |
| 58537XXYY | 70 | 348 X 0.50 | 0.277 | 16.7 | 20.0 ± 0.30 | 1021 |
| 58538XXYY | 95 | 456 X 0.50 | 0.210 | 18.7 | 22.0 ± 0.40 | 1290 |
| 58541XXYY | 120 | 570 X 0.50 | 0.164 | 21.0 | 24.7 ± 0.40 | 1600 |
| 58542XXYY | 150 | 741 X 0.50 | 0.132 | 23.2 | 27.1 ± 0.40 | 1970 |
| 58544XXYY | 185 | 888 X 0.50 | 0.108 | 25.0 | 29.1 ± 0.40 | 2350 |
| 58546XXYY | 240 | 1184 X 0.50 | 0.0817 | 28.0 | 32.3 ± 0.50 | 2950 |
| 58548XXYY | 300 | 1480 X 0.50 | 0.0654 | 30.8 | 35.6 ± 0.50 | 3710 |

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 | |

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

| 9 GKW/T EMC | |
|-------------|---------------------------------------|
| 9 | Rated Voltage (3600/6000V AC) |
| G | Electron Beam Cross Linked Insulation |
| K | Cold Resistant |
| W | Heat Resistant |
| T | Separator Tape |
| EMC | Screening |



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