



Siechem 3 Core Aluminium Conductor EBXL - XLPE 120°C Insulated GI strips Armoured PVC Sheathed 600/1000 V Power cable as per BS 5467

Application

- ✓ Transmission and distribution of Power Industrial units
- ✓ Commercial and residential places
- ✓ Indoor and outdoor uses
- ✓ Cable ducts, cable trays conduits
- ✓ Direct burial and underground burial where mechanical damage risk for cables.

Product Construction

- ✓ Conductor : Aluminium conductor complying with BS 6360
- ✓ Insulation : Electron Beam Cross Linked Polyethylene 120°C
- ✓ Armour : GI strips
- ✓ Jacket : PVC Complying with BS 6746

Technical Data

- ✓ Operating Temperature : -15°C to +120°C
- ✓ High Insulation resistance at elevated temperature
- ✓ Short Circuit Temperature : 280°C
- ✓ Bending radius (min) : 12 x Cable dia
- ✓ Rated Voltage : 600/1000 V
- ✓ Test Voltage : 3.5 kV for 5 mins.
- ✓ Specification : BS 5467

Features

- ✓ Electron Beam Cross Linked.
- ✓ Enhanced Mechanical, Electrical, Thermal & Weathering properties.
- ✓ Soldering iron resistant
- ✓ Resistance to corona effect.
- ✓ Easy jointing & termination
- ✓ Better resistance to most chemicals & acids
- ✓ Low direct electric losses.
- ✓ High current carrying capacity.

| | | | |
|-------------------------------------|------------------|------------------|--------------------|
| IS : 7098 (Pt.1) CML-6819184 | ISO 9001 | ISO 14001 | OHSAS 18001 |
| AS 9100 | ISO 45001 | | |

| Part Number | Area | Cond.Min. No.of Wires | Thickness of EBXL / XLPE Insulation (Nom.) | Dimension of Arm strips | Thickness of Outer Sheath | Approx Overall diameter | Approx.Net Wt.of Cable | Max.D.C Resistance at 20 deg.C | Current Rating For EBXL -XLPE Cables (125°C) | | | Current Rating For Chemically Cured XLPE Cables (90°C) | | | Short Circuit Rating for 1sec |
|-------------|-------|-----------------------|--|-------------------------|---------------------------|-------------------------|------------------------|--------------------------------|--|---------|--------|--|---------|--------|-------------------------------|
| | | | | | | | | | Direct in Ground | In Duct | In Air | Direct in Ground | In Duct | In Air | |
| | Sq.mm | Nos | mm | mm | mm | mm | Kg/Km | Ω/KM | Al | Al | Al | Al | Al | Al | Al |
| 761EF2803 | 16 | 7 | 0.7 | 0.8 | 1.4 | 18.5 | 621 | 1.91 | 95 | 73 | 91 | 73 | 56 | 70 | 1.5 |
| 761EF3003 | 25 | 7 | 0.9 | 0.8 | 1.4 | 21.6 | 801 | 1.20 | 122 | 111 | 125 | 94 | 85 | 96 | 2.4 |
| 761EF3203 | 35 | 7 | 0.9 | 0.8 | 1.4 | 23.6 | 964 | 0.868 | 147 | 133 | 152 | 113 | 102 | 117 | 3.3 |
| 761EF3403 | 50 | 7 | 1.0 | 0.8 | 1.4 | 26.5 | 1189 | 0.641 | 173 | 156 | 185 | 133 | 120 | 142 | 4.7 |
| 761EF3703 | 70 | 19 | 1.1 | 0.8 | 1.56 | 29.8 | 1481 | 0.443 | 213 | 192 | 223 | 164 | 148 | 179 | 6.6 |
| 761EF3803 | 95 | 19 | 1.1 | 0.8 | 1.56 | 33.0 | 1826 | 0.320 | 255 | 229 | 287 | 196 | 176 | 221 | 9.0 |
| 761EF4103 | 120 | 19 | 1.2 | 0.8 | 1.56 | 36.1 | 2155 | 0.253 | 290 | 261 | 334 | 223 | 201 | 257 | 11.3 |
| 761EF4203 | 150 | 19 | 1.4 | 0.8 | 1.72 | 40.0 | 2598 | 0.206 | 324 | 291 | 380 | 249 | 224 | 292 | 14.2 |
| 761EF4403 | 185 | 37 | 1.6 | 0.8 | 1.88 | 44.3 | 3117 | 0.164 | 367 | 330 | 438 | 282 | 254 | 337 | 17.5 |
| 761EF4603 | 240 | 37 | 1.7 | 0.8 | 2.04 | 49.2 | 3821 | 0.125 | 424 | 381 | 519 | 326 | 293 | 399 | 22.6 |
| 761EF4803 | 300 | 37 | 1.8 | 0.8 | 2.2 | 54.1 | 4573 | 0.100 | 477 | 429 | 593 | 367 | 330 | 456 | 28.3 |
| 761EF4903 | 400 | 61 | 2.0 | 0.8 | 2.36 | 61.2 | 5800 | 0.0778 | 543 | 489 | 689 | 418 | 376 | 530 | 37.7 |

Cable conforming to IEC 60502 & VDE-0271 also available according to customer requirement.



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