



### Siechem 4 Core Round APC Conductor EBXL - XLPE 120°C Insulated GI wire 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 : Annealed Plain copper conductor complying with BS 6360
- ✓ Insulation : Electron Beam Cross Linked Polyethylene 120 °C
- ✓ Armour : GI wire
- ✓ 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)<br><br>CML-6819184 | <b>ISO 9001</b>  | <b>ISO 14001</b> | <b>OHSAS 18001</b> |
| <b>AS 9100</b>                      | <b>ISO 45001</b> |                  |                    |

| Part Number | Area  | Cond.Min. No.of Wires | Thickness of EBXL / XLPE Insulation (Nom.) | Dimension of Arm Wire | 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 1 sec |
|-------------|-------|-----------------------|--|-----------------------|---------------------------|-------------------------|------------------------|--------------------------------|--|---------|--------|--|---------|--------|--------------------------------|
|             |       |                       |  |                       |                           |                         |                        |                                | 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                           | Cu   | Cu      | Cu     | Cu   | Cu      | Cu     | Cu                             |
| 743ER1304   | 1.5   | 1                     | 0.7  | 1.4                   | 1.24                      | 16.2                    | 537                    | 12.1                           | 33   | 30      | 29     | 25   | 23      | 22     | 0.21                           |
| 743ER1604   | 2.5   | 1                     | 0.7  | 1.4                   | 1.24                      | 17.1                    | 617                    | 7.41                           | 44   | 40      | 39     | 34   | 31      | 30     | 0.36                           |
| 743ER1904   | 4     | 1                     | 0.7  | 1.4                   | 1.24                      | 18.3                    | 731                    | 4.61                           | 57   | 52      | 52     | 44   | 40      | 40     | 0.57                           |
| 743ER2304   | 6     | 1                     | 0.7  | 1.4                   | 1.4                       | 19.8                    | 867                    | 3.08                           | 72   | 65      | 65     | 55   | 50      | 51     | 0.86                           |
| 744ER2704   | 10    | 7                     | 0.7  | 1.6                   | 1.4                       | 23.4                    | 1248                   | 1.83                           | 95   | 86      | 82     | 73   | 66      | 63     | 1.4                            |

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



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