



**Siechem 4 Core Round Aluminium 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 : Aluminium 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)  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 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
760ER1304	1.5	1	0.7	1.4	1.24	16.2	501	-	-	-	-	-	-	-	-
760ER1604	2.5	1	0.7	1.4	1.24	17.1	558	-	-	-	-	-	-	-	-
760ER1904	4	1	0.7	1.4	1.24	18.3	636	7.41	44	40	40	34	31	31	0.38
760ER2304	6	1	0.7	1.4	1.4	19.8	725	4.61	56	51	52	43	39	40	0.57
760ER2704	10	1	0.7	1.6	1.4	23.4	1011	3.08	74	66	69	57	51	53	0.94

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

