



Siechem 3 Core Round Aluminium Conductor EBXL - XLPE 120°C Insulated PVC Sheathed 600/1000 V (UA) 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
- ✓ Inner sheath : PVC
- ✓ 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.)	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	Kg/Km	Ω/KM	Al	Al	Al	Al	Al	Al	Al
758E1303	1.5	1	0.6	1.8	11.5	145	-	-	-	-	-	-	-	-
758E1603	2.5	1	0.7	1.8	12.8	181	-	-	-	-	-	-	-	-
758E1903	4	1	0.7	1.8	14.0	217	7.41	44	40	40	34	31	31	0.38
758E2303	6	1	0.7	1.8	15.2	259	4.61	56	51	52	43	39	40	0.57
758E2703	10	1	0.7	1.8	17.2	335	3.08	74	66	69	57	51	53	0.94
759E2803	16	7	0.7	1.8	19.7	446	1.91	95	73	91	73	56	70	1.5
759E3003	25	7	0.9	1.8	23.4	626	1.20	122	111	125	94	85	96	2.4

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

