



Siechem 3 Core 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 Sq.mm	Cond.Min. No.of Wires Nos	Thickness of EBXL / XLPE Insulation (Nom.) mm	Thickness of Outer Sheath mm	Approx Overall diameter mm	Approx.Net Wt.of Cable Kg/Km	Max.D.C Resistance at 20 deg.C Ω/KM	Current Rating For EBXL -XLPE Cables (125°C)			Current Rating For Chemically Cured XLPE Cables (90°C)			Short Circuit Rating for 1sec AI
								Direct in Ground AI	In Duct AI	In Air AI	Direct in Ground AI	In Duct AI	In Air AI	
759E2803	16	7	0.7	1.8	17.7	358	1.91	95	73	91	73	56	70	1.5
759E3003	25	7	0.9	2.0	21.2	512	1.20	122	111	125	94	85	96	2.4
759E3203	35	7	0.9	2.0	23.2	629	0.868	147	133	152	113	102	117	3.3
759E3403	50	7	1.0	2.0	26.1	811	0.641	173	156	185	133	120	142	4.7
759E3703	70	19	1.1	2.0	29.1	1038	0.443	213	192	223	164	148	179	6.6
759E3803	95	19	1.1	2.2	32.7	1343	0.320	255	229	287	196	176	221	9.0
759E4103	120	19	1.2	2.2	35.7	1630	0.253	290	261	334	223	201	257	11.3
759E4203	150	19	1.4	2.2	39.4	1977	0.206	324	291	380	249	224	292	14.2
759E4403	185	37	1.6	2.4	43.8	2435	0.164	367	330	438	282	254	337	17.5
759E4603	240	37	1.7	2.6	48.7	3056	0.125	424	381	519	326	293	399	22.6
759E4803	300	37	1.8	2.8	53.7	3753	0.100	477	429	593	367	330	456	28.3
759E4903	400	61	2.0	3.0	60.9	4856	0.0778	543	489	689	418	376	530	37.7

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

