



Siechem 2 Core APC 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 : Annealed Plain copper 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 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
749E3002	25	7	0.9	0.8 X 4	1.6	28.7	1274	0.727	198	178	173	152	137	133	3.6
749E3202	35	7	0.9	0.8 X 4	1.7	32.6	1623	0.524	234	211	203	180	162	156	5.0
749E3402	50	19	1.0	0.8 X 4	1.8	37.3	2068	0.387	273	255	281	210	196	216	7.1
749E3702	70	19	1.1	0.8 X 4	1.9	42.5	2642	0.268	343	309	317	264	238	244	10.0
749E3802	95	19	1.1	0.8 X 4	2	48.0	3341	0.193	408	368	387	314	283	298	13.6
749E4102	120	37	1.2	0.8 X 4	2.1	52.8	4015	0.153	451	417	432	347	321	332	17.1
749E4202	150	37	1.4	0.8 X 4	2.2	58.4	4813	0.124	511	472	495	393	363	381	21.4
749E4402	185	37	1.6	0.8 X 4	2.4	64.8	5830	0.9991	576	530	576	443	408	443	26.4
749E4602	240	61	1.7	0.8 X 4	2.5	72.1	7148	0.0754	660	606	680	508	466	523	34.3
749E4802	300	61	1.8	0.8 X 4	2.5	79.4	8620	0.0601	745	683	770	573	525	592	42.9
749E4902	400	61	2.0	0.8 X 4	2.5	89.7	10895	0.0470	803	770	872	618	592	671	57.1

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



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