



Siechem 4 Core APC 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 : Annealed Plain copper conductor complying with BS 6360
- ✓ Insulation : Electron Beam Cross Linked Polyethylene 120°C
- ✓ 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 1 sec
								Direct in Ground	In Duct	In Air	Direct in Ground	In Duct	In Air	
	Sq.mm	Nos	mm	mm	mm	Kg/Km	Ω/KM	Cu	Cu	Cu	Cu	Cu	Cu	Cu
748E2804	16	7	0.7	1.8	19.1	816	1.15	126	113	117	97	87	90	2.3
748E3004	25	7	0.9	2.0	22.9	1222	0.727	159	143	143	122	110	110	3.6
748E3204	35	7	0.9	2.0	25.2	1612	0.524	190	170	182	146	131	140	5.0
748E3404	50	7	1.0	2.0	28.5	2204	0.387	224	202	211	172	155	162	7.1
748E3704	70	19	1.1	2.2	33.1	3032	0.268	274	247	257	211	190	198	10.0
748E3804	95	19	1.1	2.2	36.6	3972	0.193	329	296	312	253	228	240	13.6
748E4104	120	19	1.2	2.4	40.5	4965	0.153	373	335	359	287	258	276	17.1
748E4204	150	19	1.4	2.6	45.3	6198	0.124	417	376	413	321	289	318	21.4
748E4404	185	37	1.6	2.8	50.5	7619	0.0991	469	423	476	361	325	366	26.4
748E4604	240	37	1.7	3.0	56.4	9767	0.0754	541	486	552	416	374	426	34.3
748E4804	300	37	1.8	3.2	62.0	12076	0.0601	603	543	624	464	418	480	42.9
748E4904	400	61	2.0	3.4	70.8	15945	0.0470	677	610	710	521	469	546	57.1

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



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