



**Siechem 2 Core Round APC 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 : Annealed Plain copper 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 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
743ER1302	1.5	1	0.6	0.9	1.3	13.8	341	12.1	43	39	38	33	30	29	0.21
743ER1602	2.5	1	0.7	0.9	1.4	15.2	413	7.41	56	51	51	43	39	39	0.36
743ER1902	4	1	0.7	0.9	1.4	16.3	483	4.61	73	65	65	56	50	50	0.57
743ER2302	6	1	0.7	0.9	1.4	17.4	565	3.08	92	83	79	71	64	61	0.86
744ER2702	10	7	0.7	0.9	1.5	19.5	724	1.83	120	108	104	92	83	80	1.4
744ER2802	16	7	0.7	1.2	1.5	22.3	1033	1.15	151	135	134	116	104	103	2.3
744ER3002	25	7	0.9	51.2	1.6	25.9	1396	0.727	198	178	173	152	137	133	3.6
744ER3202	35	7	0.9	51.6	1.7	29.5	1897	0.524	234	211	203	180	162	156	5.0

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



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