Siechem Wires & Cables

Siechem 4 Core APC Conductor EBXL - XLPE 120°C Insulated GI wire Armoured PVC ST2 Sheathed 1100 V Power cable as per IS 7098

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 IS 8130
✓ Insulation : Electron Beam Cross Linked Polyethylene 120°C
✓ Armour : GI wire
✓ Jacket : PVC-ST2 (Optional : FRLS, ZHLS)

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 :1100 V
✓ Test Voltage : 3 kV for 5 mins.
✓ Specification : IS 7098

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) CM/L-6819184	ISO 9001	ISO 14001	OHSAS 18001
AS 9100	ISO 45001	REACH COMPLIANT	RoHS COMPLIANT

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
243ER1304	1.5	1	0.7	1.4	1.24	16.7	548	12.1	33	30	29	25	23	22	0.21
243ER1604	2.5	1	0.7	1.4	1.24	17.7	643	7.41	44	40	39	34	31	30	0.36
243ER1904	4	1	0.7	1.6	1.4	19.7	824	4.61	57	52	52	44	40	40	0.57
243ER2304	6	1	0.7	1.6	1.4	21.1	959	3.08	72	65	65	55	50	51	0.86
244ER2704	10	7	0.7	1.6	1.4	23.4	1395	1.83	95	86	82	73	66	63	1.4

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

Catalogue No 243E