Siechem
Wires & Cables

Siechem 2 Core APC Conductor EBXL - XLPE 120°C Insulated PVC ST2 Sheathed 1100 V (UA) 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
- ✓ Inner sheath :PVC
- ✓ 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.)	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
239E1302	1.5	1	0.7	1.8	13.6	225	12.1	43	39	38	33	30	29	0.21
239E1602	2.5	1	0.7	1.8	14.4	264	7.41	56	51	51	43	39	39	0.36
239E1902	4	1	0.7	1.8	15.5	319	4.61	73	65	65	56	50	50	0.57
239E2302	6	1	0.7	1.8	16.6	385	3.08	92	83	79	71	64	61	0.86
240E2702	10	7	0.7	1.8	18.5	509	1.83	120	108	104	92	83	80	1.4
240E2802	16	7	0.7	2.0	20.8	692	1.15	151	135	134	116	104	103	2.3

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

Catalogue No 239E