Siechem
Wires & Cables

Siechem 2 Core round Aluminium 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 : Aluminium conductor complying with IS 8130
- ✓ Insulation : Electron Beam Cross Linked Polyethylene 120°C
- ✓ 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, oils & 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 1sec
								Direct in Ground	In Duct	In Air	Direct in Ground	In Duct	In Air	
	Sq.mm	Nos	mm	mm	mm	Kg/Km	Ω/KM	Al	Al	Al	Al	Al	Al	Al
229E1302	1.5	1	0.7	1.8	13.2	197	-	-	-	-	-	-	-	-
229E1602	2.5	1	0.7	1.8	13.9	222	-	-	-	-	-	-	-	-
229E1902	4	1	0.7	1.8	14.9	254	7.41	56	51	46	43	39	35	0.38
229E2302	6	1	0.7	1.8	15.9	292	4.61	72	65	62	55	50	48	0.57
229E2702	10	1	0.7	1.8	17.5	360	3.08	96	83	81	74	64	62	0.94
230E2802	16	7	0.7	2.0	20.8	499	1.91	118	107	101	91	82	78	1.5

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