



Siechem 2 Core Round Aluminium 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 : Aluminium 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	ISO 9001	ISO 14001	OHSAS 18001
AS 9100	ISO 45001		

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 1sec
									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	Al	Al	Al	Al	Al	Al	Al
761ER1302	1.5	1	0.6	0.9	1.3	13.8	323	-	-	-	-	-	-	-	-
761ER1602	2.5	1	0.7	0.9	1.4	15.2	383	-	-	-	-	-	-	-	-
761ER1902	4	1	0.7	0.9	1.4	16.3	435	7.41	44	42	40	36	32	31	0.38
761ER2302	6	1	0.7	0.9	1.4	17.4	493	4.61	57	52	51	44	40	39	0.57
761ER2702	10	1	0.7	0.9	1.5	19.5	604	3.08	77	69	69	59	53	53	0.94
761ER2802	16	7	0.7	1.25	1.5	22.3	841	1.91	99	88	95	76	68	73	1.5
761ER3002	25	7	0.9	1.25	1.6	25.9	1095	1.20	125	112	127	96	86	98	2.4
761ER3202	35	7	0.9	1.6	1.7	29.5	1476	0.868	148	134	157	114	103	121	3.3

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



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