



Siechem 2 Core 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) CM/L-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
761ER3002	25	7	0.9	1.25	1.72	29.1	1362	1.20	156	140	139	120	108	107	3.6
761ER3202	35	7	0.9	1.60	1.72	33.0	1788	0.868	186	168	176	143	129	135	5.0
761ER3402	50	7	1.0	1.60	1.72	37.5	2109	0.641	217	195	216	167	150	166	7.1
761ER3702	70	19	1.1	1.60	1.72	42.5	2485	0.443	265	239	248	204	184	191	10.0
761ER3802	95	19	1.1	2.00	1.72	48.2	3293	0.320	319	287	313	245	221	241	13.6
761ER4102	120	19	1.2	2.00	1.72	52.9	3718	0.253	352	325	346	271	250	266	17.1
761ER4202	150	19	1.4	2.50	1.72	59.3	4871	0.206	403	369	406	310	284	312	21.4
761ER4402	185	37	1.6	2.50	1.72	64.9	5483	0.164	455	416	456	350	320	351	26.4
761ER4602	240	37	1.7	0.80	1.72	68.6	3594	0.125	529	476	529	407	366	407	34.3
761ER4802	300	37	1.8	0.80	1.72	75.4	4145	0.100	589	542	608	453	417	468	42.9
761ER4902	400	61	2.0	0.80	1.72	85.7	5024	0.0778	624	618	699	480	475	538	57.1

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



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