



Siechem Single Core Aluminium Conductor EBXL - XLPE 120°C Insulated GI wire Armoured 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
757R34XX	50	7	1.0	0.9	1.5	17.5	597	0.641	176	159	195	135	122	150	4.7
757R37XX	70	19	1.1	1.25	1.5	20.2	824	0.443	216	194	243	166	149	187	6.6
757R38XX	95	19	1.1	1.25	1.6	22.3	981	0.320	257	231	299	198	178	230	9.0
757R41XX	120	19	1.2	1.25	1.6	24.2	1125	0.253	293	264	348	225	203	268	11.3
757R42XX	150	19	1.4	1.6	1.7	27.4	1484	0.206	329	296	402	253	228	309	14.2
757R44XX	185	37	1.6	1.6	1.8	30.0	1727	0.164	372	334	468	286	257	360	17.5
757R46XX	240	37	1.7	1.6	1.8	32.8	2016	0.125	432	389	563	332	299	433	22.6
757R48XX	300	37	1.8	1.6	1.9	35.6	2362	0.100	489	439	651	376	338	501	28.3
757R49XX	400	61	2.0	2.0	2.0	40.4	3165	0.0778	560	504	775	431	388	596	37.7
757R50XX	500	61	2.2	2.0	2.1	44.2	3726	0.0605	637	573	901	490	441	693	47.2
757R51XX	630	61	2.4	2.0	2.2	48.8	4406	0.0469	724	651	1058	557	501	814	59.4
757R95XX	800	127	2.6	2.5	2.4	55.4	5792	0.0367	780	756	1080	600	540	890	75.2
757R53XX	1000	127	2.8	2.5	2.5	60.6	6763	0.0291	845	819	1170	650	585	1050	94.0

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

Note : XX* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

- ✓ Cables are also available in dual coloured insulation
- ✓ * Other length as per Customer order.



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