



## Siechem Single Core APC 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 : Annealed Plain copper 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	<b>ISO 9001</b>	<b>ISO 14001</b>	<b>OHSAS 18001</b>
	<b>AS 9100</b>	<b>ISO 45001</b>	 

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	Cu	Cu	Cu	Cu	Cu	Cu	Cu
740R34XX	50	7	1.0	0.9	1.5	17.5	886	0.387	242	204	259	186	157	199	7.1
740R37XX	70	19	1.1	1.25	1.5	20.2	1230	0.268	290	250	320	223	192	246	10.0
740R38XX	95	19	1.1	1.25	1.6	22.3	1532	0.193	343	299	386	264	230	297	13.6
740R41XX	120	19	1.2	1.25	1.6	24.2	1817	0.153	389	338	437	299	260	336	17.1
740R42XX	150	19	1.4	1.6	1.7	27.4	2349	0.124	437	381	501	336	293	385	21.4
740R44XX	185	37	1.6	1.6	1.8	30.0	2794	0.9991	476	428	582	366	329	448	26.4
740R46XX	240	37	1.7	1.6	1.8	32.8	3401	0.0754	539	498	663	415	383	510	34.3
740R48XX	300	37	1.8	1.6	1.9	35.6	4093	0.0601	585	560	741	450	431	570	42.9
740R49XX	400	61	2.0	2.0	2.0	40.4	5473	0.0470	624	637	858	480	490	660	57.1
740R50XX	500	61	2.2	2.0	2.1	44.2	6611	0.0601	733	715	923	564	550	710	71.4
740R51XX	630	61	2.4	2.0	2.2	48.8	8040	0.0470	773	859	1073	594	661	825	90.0
740R95XX	800	127	2.6	2.5	2.4	55.4	10408	0.0221	858	1043	1155	660	756	945	114.4
740R53XX	1000	127	2.8	2.5	2.5	60.6	12533	0.0176	940	1143	1266	723	850	1063	143

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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