



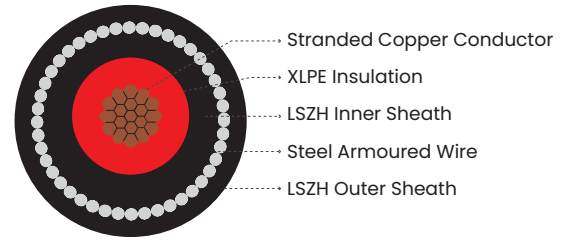
COPPER CONDUCTOR, XLPE INSULATED, ARMoured, LSZH SHEATHED, 600/1000V, **LOW VOLTAGE POWER CABLE, BS 6724**

Application	: These cables are used for electricity supply in low voltage installation system. They are well adapted to underground, outdoors, use in industrial applications where mechanical protections are needed. For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment.
Standards	: BS 6724
Construction Conductor	: Copper conductor, round stranded or shaped class 2 to BS EN 60228
Insulation	: Cross linked polyethylene (XLPE) to BS 7655-1.3
Insulation Colour	: 2C: Red & Black 3C: Red, Yellow & Blue 4C: Red, Yellow, Blue & Black 5C: Red, Yellow, Blue, Black & Green / Yellow (Other core colour also available on request)
Filler (Optional)	: Non Hygroscopic filler
Binder Tape (Optional)	: Polyester (Mylar)Tape
Bedding	: Extruded Low Smoke Zero Halogen (LSZH) thermoplastic in Black colour.
Armour	: Single Core: A single layer of Aluminium Wire Armoured (AWA) Multi core: A single layer of Galvanized Steel Wire Armour (GSWA)
Outer Sheath	: Extruded Low Smoke Zero Halogen (LSZH) thermoplastic as per BS 7655-6.1 in Black colour. (Other sheath colour also available on request)

Technical Characteristic

Voltage Grade	: 600/1000V
Conductor Operating Temperature	: -15°C to +90°C
Flame Retardent	: IEC 60332-1-2 & IEC 60332-3-24
Halogen Acid Gas Emission	: Max. 0.5% (IEC 60754-1)

1 CORE CABLES - 600/1000 V



1 Core Cables - 600/1000 V, CU Conductor, XLPE Insulation, AL.Wire Armoured, LSZH Sheathed

PHYSICAL PROPERTIES						
Catalogue Number	Nominal Cross Section Area	Nominal Insulation Thickness	Thickness of Bedding	Nominal AL. Wire Armour Dia.	Nominal Outer Sheath Thickness	Approx Overall Dia
	SQ.MM	MM	MM	MM	MM	MM
NLVC2XAWHSC0500DST10BS	50	1.0	0.8	0.9	1.5	16.9
NLVC2XAWHSC0700DST10BS	70	1.1	0.8	1.25	1.5	19.4
NLVC2XAWHSC0950DST10BS	95	1.1	0.8	1.25	1.6	21.2
NLVC2XAWHSC1200DST10BS	120	1.2	0.8	1.25	1.6	22.8
NLVC2XAWHSC1500DST10BS	150	1.4	1.0	1.6	1.7	25.7
NLVC2XAWHSC1850DST10BS	185	1.6	1.0	1.6	1.8	27.9
NLVC2XAWHSC2400DST10BS	240	1.7	1.0	1.6	1.8	30.3
NLVC2XAWHSC3000DST10BS	300	1.8	1.0	1.6	1.9	32.8
NLVC2XAWHSC4000DST10BS	400	2.0	1.2	2.0	2.0	37.8
NLVC2XAWHSC5000DST10BS	500	2.2	1.2	2.0	2.1	41.2
NLVC2XAWHSC6300DST10BS	630	2.4	1.2	2.0	2.2	45.3
NLVC2XAWHSC8000ST10BS	800	2.6	1.4	2.5	2.4	54.7
NLVC2XAWHSC10000ST10BS	1000	2.8	1.4	2.5	2.5	59.8

Notes: *Non-compacted circular conductor, other compacted circular conductor
 The above data is indicative & may be changed without prior information.
 Cables can be supplied in multiples of 1000/500/250 mtrs.or required by customer.

1 Core Cables - 600/1000 V, CU Conductor, XLPE Insulation, AL.Wire Armoured, LSZH Sheathed

ELECTRICAL PROPERTIES

Nominal Cross Section Area	Current Rating			Approx Voltage Drop of Single core cables	Reactance at 50 Hz	Capacitance	Maximum DC Resistance at 20°C	Short Circuit Rating for 1 Sec.
	In Air	In Ground	In Duct					
	Three cables, Trefoil three Phase a.c.				CU.	CU.		
	CU.			V/A/km			Ohm/Km	µF/Km
SQ.MM	Amps(A)				V/A/km	Ohm/Km		
50	207	183	164	0.828	0.114	0.50	0.387	7.15
70	268	225	203	0.587	0.106	0.55	0.268	10.01
95	328	270	239	0.442	0.102	0.64	0.193	13.585
120	383	306	271	0.365	0.097	0.67	0.153	17.16
150	444	343	306	0.314	0.099	0.67	0.124	21.45
185	510	387	343	0.268	0.095	0.67	0.0991	26.455
240	607	448	395	0.229	0.093	0.72	0.0754	34.32
300	703	490	446	0.206	0.092	0.75	0.0601	42.9
400	823	567	505	0.191	0.090	0.75	0.0470	57.2
500	946	650	604	0.178	0.089	0.77	0.0366	71.5
630	1045	700	654	0.166	0.087	0.81	0.0283	90.09
800	1145	750	694	0.161	0.086	0.88	0.0221	114.4
1000	1235	800	724	0.156	0.085	0.88	0.0176	143