



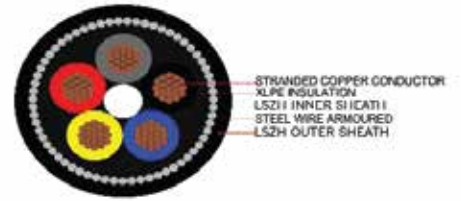
COPPER CONDUCTOR, XLPE INSULATED, ARMoured, LSZH SHEATHED, 600/1000V, **LOW VOLTAGE POWER CABLE, BS 6724**

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)

5 CORE CABLES - 600/1000 V



5 Core Cables - 600/1000 V, CU Conductor, XLPE Insulation, Steel Wire Armoured, LSZH Sheathed

PHYSICAL PROPERTIES						
Catalogue Number	Nominal Cross Section Area	Nominal Insulation Thickness	Thickness of Bedding	Nominal Steel Wire Armour Dia.	Nominal Outer Sheath Thickness	Approx Overall Dia
	SQ.MM	MM	MM	MM	MM	MM
NLVC2XWH050015ST10BS	1.5*	0.6	0.8	0.9	1.4	14
NLVC2XWH050025ST10BS	2.5*	0.7	0.8	0.9	1.4	15
NLVC2XWH050040ST10BS	4*	0.7	0.8	0.9	1.5	17
NLVC2XWH050060ST10BS	6*	0.7	0.8	1.25	1.5	19
NLVC2XWH050100DST10BS	10*	0.7	0.8	1.25	1.6	22
NLVC2XWH050160DST10BS	16*	0.7	1.0	1.6	1.7	25
NLVC2XWH050250DST10BS	25*	0.9	1.0	1.6	1.8	30
NLVC2XWH050350DST10BS	35*	0.9	1.0	1.6	1.9	33
NLVC2XWH050500DST10BS	50*	1	1.2	2.0	2.0	38
NLVC2XWH050700DST10BS	70*	1.1	1.2	2.0	2.2	43

ELECTRICAL PROPERTIES							
Nominal Cross Section Area	Current Rating			Reactance at 50 Hz	Capacitance for Cable (Approx)	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.						
SQ.MM	Amps(A)			Ohm/Km	µF/Km	Ohm/Km	kA(rms)
1.5	24	23	21	0.102	0.09	12.1	0.21
2.5	32	30	28	0.100	0.1	7.41	0.36
4.0	42	39	36	0.098	0.11	4.61	0.57
6.0	54	49	44	0.09	0.13	3.08	0.86
10	75	65	58	0.084	0.16	1.83	1.43
16	100	84	75	0.08	0.14	1.15	2.29
25	135	107	96	0.08	0.20	0.727	3.58
35	169	129	115	0.08	0.23	0.524	5.00
50	207	153	135	0.078	0.24	0.387	7.15
70	268	188	167	0.077	0.26	0.268	10.01

Notes: *1.5 Sq.mm to 70 Sq.mm 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.