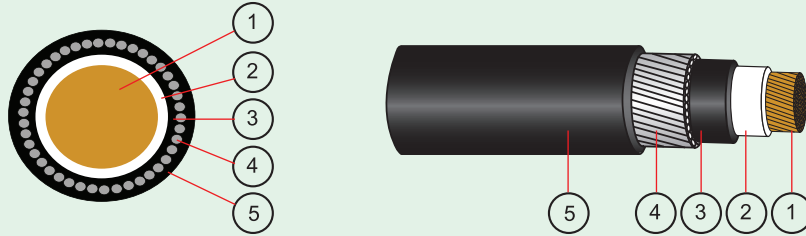


Single Core CU/XLPE/LSHF/AWA/LSHF

XLPE insulated, LSHF bedded, AWA armoured, LSHF sheathed Cable 0.6/1kV



Component

1. Copper Conductor
2. XLPE Insulation
3. LSHF Bedding
4. Aluminium Wire Armoured
5. LSHF Sheath

Standards Applied

Design Guide: BS6724, IEC60502-1
 Conductor: IEC60228, BS6360, BS EN 60228
 Flame Retardancy: IEC60332-1-2, IEC60332-3-22
 Low Smoke & Reduced Toxicity : IEC60754-1/2, IEC61034-2

Electrical Characteristics

Operating voltage, U_0/U : 600/1000V
 Max. operating temperature : 90°C
 Final short circuit temperature : 250°C
 Test voltage : 3.5kV for 5 minutes

Installation Guide

Min. bending radius (mm): 10 x Cable Overall Diameter
 Max. pulling tension (kgf): 7 x No. of Core x Conductor Size

Construction

Conductor	Plain annealed copper wire
Insulation	An extruded layer of cross-linked polyethylene (XLPE) compound
Core Identification	Natural
Bedding	An extruded layer of low smoke halogen free (LSHF) compound
Bedding Colour	Black
Armour	A single layer of aluminium wire armoured (AWA)
Outer Sheath	An extruded layer of low smoke halogen free (LSHF) compound
Outer Sheath Colour	Black

Dimension & Electrical Data

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Dia. after Bedding	Nom. Armour Wire Size	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km
	1	50	1.0	12.9	1.25	1.8	19.0	745	0.387
	1	70	1.1	14.9	1.25	1.8	21.0	986	0.268
	1	95	1.1	16.8	1.25	1.8	22.9	1279	0.193
	1	120	1.2	18.6	1.6	1.8	25.4	1552	0.153
	1	150	1.4	20.6	1.6	1.8	27.4	1959	0.124
	1	185	1.6	22.9	1.6	1.8	29.7	2396	0.0991
	1	240	1.7	25.7	1.6	1.9	32.7	3010	0.0754
	1	300	1.8	28.3	1.6	2.0	35.5	3674	0.0601
	1	400	2.0	32.1	2.0	2.1	40.3	4725	0.047
	1	500	2.2	35.6	2.0	2.2	44.0	5817	0.0366
	1	630	2.4	40.0	2.0	2.3	48.6	7354	0.0283
	1	800	2.6	45.1	2.5	2.5	55.1	9432	0.0221
	1	1000	2.8	50.1	2.5	2.7	60.5	11613	0.0176

* Optional