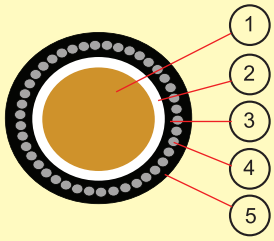
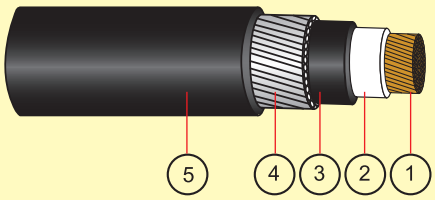
Single Core CU/XLPE/PVC/AWA/PVC

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





Component

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

Standards Applied

Design Guide: BS5467, IEC60502-1
Conductor : IEC60228, BS6360, BS EN 60228
Flame Retardancy: IEC60332-1-2, IEC60332-3-24**, IEC60332-3-22**

Electrical Characteristics

Operating voltage, Uo/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 polyvinyl chloride (PVC) compound
Bedding Colour	Black
Armour	A single layer of aluminium wire armoured (AWA)
Outer Sheath	An extruded layer of polyvinyl chloride (PVC) 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
		mm²	mm	mm	mm	mm	mm	kg/km	Ω/km
	1	50	1.0	12.9	1.25	1.8	19.0	776	0.387
	1	70	1.1	14.9	1.25	1.8	21.0	1020	0.268
	1	95	1.1	16.8	1.25	1.8	22.9	1307	0.193
	1	120	1.2	18.6	1.6	1.8	25.4	1645	0.153
	1	150	1.4	20.6	1.6	1.8	27.4	1951	0.124
	1	185	1.6	22.9	1.6	1.8	29.7	2372	0.0991
	1	240	1.7	25.7	1.6	1.9	32.7	2999	0.0754
	1	300	1.8	28.3	1.6	2.0	35.5	3661	0.0601
	1	400	2.0	32.1	2.0	2.1	40.3	4706	0.047
	1	500	2.2	35.6	2.0	2.2	44.0	5796	0.0366
	1	630	2.4	40.0	2.0	2.3	48.6	7316	0.0283
	1	800	2.6	45.1	2.5	2.5	55.1	9696	0.0221
	1	1000	2.8	50.1	2.5	2.7	60.5	11600	0.0176

* Optional
** Available upon request