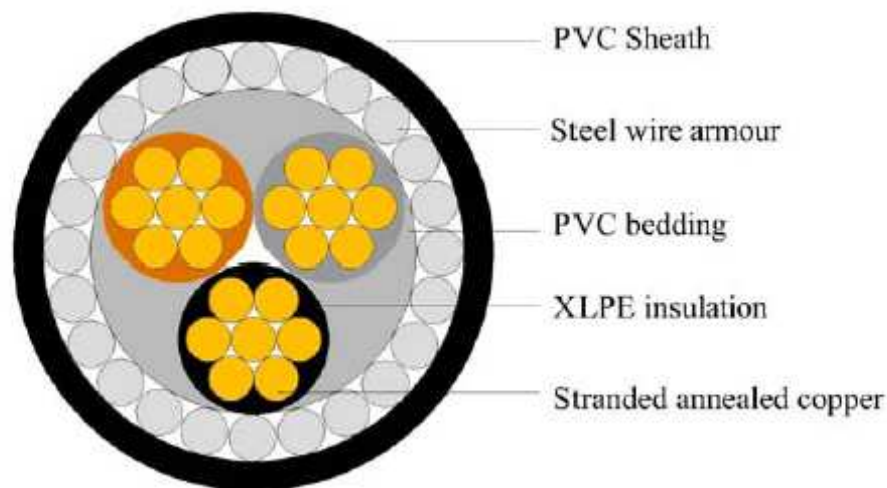


## 0.6/1.0kV XLPE/SWA/PVC Power Cable to BS 5467



### 1. General

#### Description

Stranded plain annealed copper conductors XLPE insulated extruded PVC bedding, galvanized steel wire armored and PVC outer sheath.

### 2. Design

Dimension and other engineering data according to product list table 2

Conductor : BS EN 60228 CLASS 2

Insulation :XLPE Insulation type GP8 to BS7655-1.3

Insulated core identification: Blue, Brown, Black, Gray (Four Cores)

Blue, Brown, Gray ( Three cores)

Blue, Brown & Green / Yellow (Two cores & Earth)

Blue, Brown (Two cores)

Bedding: Extruded PVC bedding to BS EN 60811-1-1

Armor: Galvanized steel wires applied helically over the bedded cores

Sheath: PVC type 9 to BS7655-4.2

### 3. Performance value, table 1

Parameter	Value
Operating voltage	600/1000V
Operating temperature (occasional flexing )	-25°C to 90°C
Operating temperature (fixed)	-40°C to 90°C
Bending radius (fixed)	15D (D is cable diameter)

### 4. Marking on cables

Electric Cable 600/1000V BS 5467 xxx mm<sup>2</sup> 600/1000V meter mark

**5. Product list, table 2**

N x size (mm <sup>2</sup> )	Insulation thick. (mm)	Dia. Under armor (mm)	Steel wire armor dia. (mm)	Approx. dia. (mm)	Weight (kg/km)	Max. conductor resistance at 20°C (Ω/km)	Current load		Voltage drop (mV/A/m)
							To be setup on non metallic surface (A)	To be setup on cable bridge (A)	
2*1.5	0.7	7.6	0.9	12.8	312	12.1	27	29	31.00
2*2.5	0.7	8.4	0.9	13.6	356	7.41	36	39	19.00
3*1.5	0.7	8.0	0.9	13.2	344	12.1	23	25	27.00
3*2.5	0.7	8.9	0.9	14.1	400	7.41	31	33	16.00
3*4	0.7	10.0	0.9	15.2	476	4.61	42	44	10.00
3*6	0.7	11.1	0.9	17.2	720	3.08	53	56	6.80
3*10	0.7	12.8	1.25	18.9	905	1.83	73	78	4.00
4*1.5	0.7	8.8	0.9	14.0	384	12.10	23	25	27.00
4*2.5	0.7	9.7	0.9	14.9	453	7.41	31	33	16.00
4*4	0.7	11.0	1.25	17.1	700	4.61	42	44	10.00
4*6	0.7	12.2	1.25	18.3	827	3.08	53	56	6.08
4*10	0.7	14.1	1.25	20.2	1058	1.83	73	78	4.00
4*16	0.7	16.3	1.60	23.1	1542	1.15	94	99	2.50
5*2.5	0.7	10.6	1.25	16.7	734	7.41	24.5	26.5	19.00
5*4	0.7	12.0	1.25	18.1	812	4.61	33.3	35.4	12.00

**6. Reference**

BS EN 60228, BS5467,BS7655

**7. Document revision information**

A: First version