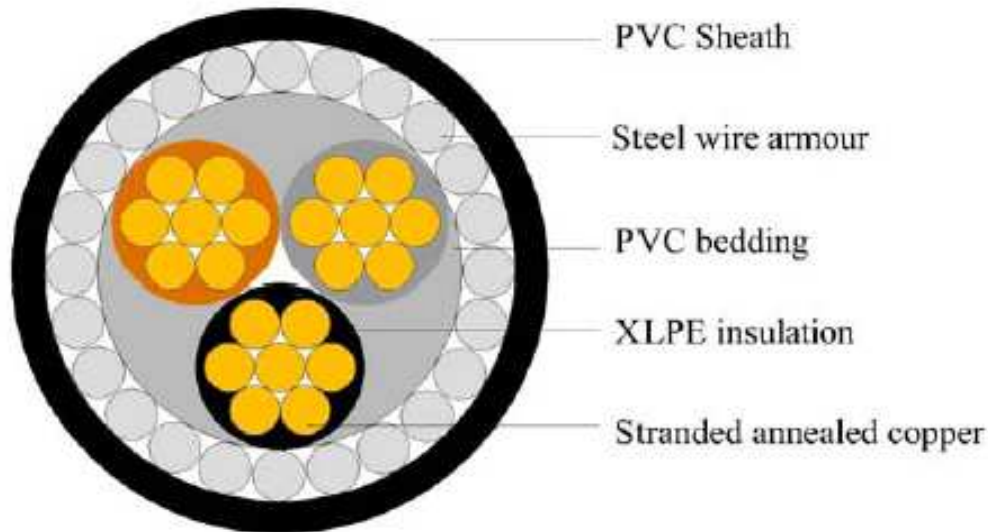


Datasheet

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 mm² 600/1000V meter mark

5. Product list, table 2

N x size (mm ²)	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