








# XLPE/AWA/PVC

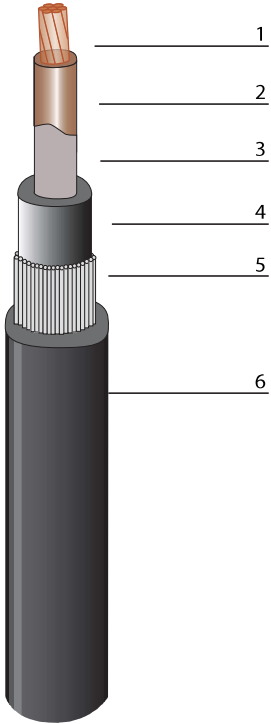
SINGLE CORE

BS 5467

600/1000 V

XLPE insulated aluminium wire armoured and PVC sheathed cable with copper conductors

						
0 - 60 C	Good	Good	Accidental	BS 4066 Part: 1, IEC 332-1	Rigid	Good



**DESIGN**

**1. Conductor**  
Stranded copper complying with BS 6360, class 2.  
50-1000 mm<sup>2</sup> circular stranded.

**2. Insulation**  
Extruded XLPE complying with BS 7655: section 1.3, type GP8.

**3. Core identification**  
Brown or blue

**4. Bedding**  
Extruded layer of polymeric compound having a tensile strength of not less than 4 N/mm<sup>2</sup> and an elongation at break not less than 50 %.

**5. Armour**  
A single layer of aluminium wires is laid in a left hand direction.

**6. Sheath**  
Black PVC complying with BS 7655: Section 4.2, type 9.

## CURRENT RATINGS

The current ratings are thoroughly presented in ERA 69-30 part V: CURRENT STANDARD RATING FOR DISTRIBUTION CABLES.

## STANDARDS

The cable is manufactured and tested according to BS 5467.

## QUALITY SYSTEM

Designed, manufactured and tested in accordance with ISO9001.

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## TECHNICAL DATA

Cross section mm <sup>2</sup>	Conductor diameter , nom mm	Thickness			Outer diameter (D), nom mm	Aluminium wire diameter nom mm	Weight of cable, nom kg/km	Conductor resistance at 20 C, max ohm/km	Armour resistance at 20 C, max ohm/km	Bending radius, min ... at installation mm
		of insulation, nom mm	of sheath, nom mm	of bedding, nom mm						
1x50	8.8	1.0	1.5	0.8	18	0.9	690	0.387	1.3	6xD
1x70	10.6	1.1	1.5	0.8	20	1.25	960	0.268	0.75	6xD
1x95	12.5	1.1	1.6	0.8	22	1.25	1215	0.193	0.67	6xD
1x120	14.0	1.2	1.6	0.8	24	1.25	1490	0.153	0.61	6xD
1x150	15.6	1.4	1.7	1.0	27	1.6	1850	0.124	0.42	6xD
1x185	17.5	1.6	1.8	1.0	30	1.6	2280	0.0991	0.38	6xD
1x240	20.0	1.7	1.8	1.0	33	1.6	2850	0.0754	0.34	6xD
1x300	22.5	1.8	1.9	1.0	36	1.6	3480	0.0601	0.31	6xD
1x400	25.5	2.0	2.0	1.2	41	2.0	4580	0.0470	0.22	6xD
1x500	28.4	2.2	2.1	1.2	44	2.0	5680	0.0366	0.20	6xD
1x630	32.5	2.4	2.2	1.2	50	2.0	7160	0.0283	0.18	6xD
1x800	36.8	2.6	2.4	1.4	55	2.5	9100	0.0221	0.13	6xD
1x1000	41.4	2.8	2.5	1.4	60	2.5	11400	0.0176	0.12	6xD

Range of temperature: Installation minimum 0 C

Normal operating, maximum 90 C

Short circuits, maximum 250 C