



LOW-VOLTAGE AWA SINGLE CORE CABLE

BS 5467

8 orderable sizes

STANDARD BS 5467	VOLTAGE CLASS 0.6/1 kV	CONDUCTOR Copper or aluminium conductor
INSULATION / JACKET PVC outer sheath		

Construction

- 1 ■ **Conductor** – Copper conductor · 37 × Ø2.27 mm · IEC 60228 cl.2
- 2 ■ **Insulation** – XLPE
- 3 ■ **Bedding** – PVC bedding
- 4 ■ **Armour** – Galvanised steel wire armour (SWA)
- 5 ■ **Sheath** – PVC outer sheath

Size selection — all available cross-sections

Cable reference	Voltage class	Core layout	Cross-section	Conductor	Armour	Max DC resistance at 20 °C	OD guide	Weight guide
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Copper 16 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	16 mm ²	Copper conductor	Aluminium wire armour	1.15 Ω/km	28 mm	0.93 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Copper 25 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	25 mm ²	Copper conductor	Aluminium wire armour	0.727 Ω/km	30 mm	1.02 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Copper 50 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	50 mm ²	Copper conductor	Aluminium wire armour	0.387 Ω/km	35 mm	1.30 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Copper 70 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	70 mm ²	Copper conductor	Aluminium wire armour	0.268 Ω/km	38 mm	1.52 kg/m

Cable reference	Voltage class	Core layout	Cross-section	Conductor	Armour	Max DC resistance at 20 °C	OD guide	Weight guide
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Copper 95 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	95 mm ²	Copper conductor	Aluminium wire armour	0.193 Ω/km	41 mm	1.79 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Copper 150 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	150 mm ²	Copper conductor	Aluminium wire armour	0.124 Ω/km	46 mm	2.40 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Copper 240 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	240 mm ²	Copper conductor	Aluminium wire armour	0.0754 Ω/km	53 mm	3.39 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Copper 400 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	400 mm ²	Copper conductor	Aluminium wire armour	0.0470 Ω/km	63 mm	5.15 kg/m
Cable reference	Voltage class	Core layout	Cross-section	Conductor	Armour	Max DC resistance at 20 °C	OD guide	Weight guide
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Aluminium 25 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	25 mm ²	Aluminium conductor	Aluminium wire armour	1.20 Ω/km	30 mm	0.86 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Aluminium 50 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	50 mm ²	Aluminium conductor	Aluminium wire armour	0.641 Ω/km	35 mm	0.97 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Aluminium 70 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	70 mm ²	Aluminium conductor	Aluminium wire armour	0.443 Ω/km	38 mm	1.06 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Aluminium 95 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	95 mm ²	Aluminium conductor	Aluminium wire armour	0.320 Ω/km	41 mm	1.18 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Aluminium 150 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	150 mm ²	Aluminium conductor	Aluminium wire armour	0.206 Ω/km	46 mm	1.42 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Aluminium 240 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	240 mm ²	Aluminium conductor	Aluminium wire armour	0.125 Ω/km	53 mm	1.83 kg/m
BS 5467 XLPE/AWA/PVC 0.6/1 kV 1C Aluminium 400 mm ² Aluminium wire armour PVC outer sheath	0.6/1 kV	1C	400 mm ²	Aluminium conductor	Aluminium wire armour	0.0778 Ω/km	63 mm	2.55 kg/m

