

# Single Core Low Voltage Power Cable

## BS5467 Cu/XLPE/PVC/AWA/PVC 0.6/1kV

### Cable Application

Cu/XLPE/PVC/AWA/PVC power cable may be used for fixed installation indoors and outdoors in cable ducts or directly in the ground.

### Technical Information

<b>Conductor Material:</b>	Copper, IEC60228
<b>Conductor Shape:</b>	50mm <sup>2</sup> up to 400mm <sup>2</sup> • Circular
<b>Conductor Flexibility:</b>	Stranded class 2
<b>Outer Sheath:</b>	PVC, IEC60502
<b>Inner Sheath:</b>	PVC, IEC60502
<b>Insulation:</b>	XLPE (Cross-linked Polyethylene), IEC60502
<b>Armour Type:</b>	Aluminium wires
<b>Colour:</b>	Black
<b>Lead Free:</b>	Yes
<b>Rated Voltage U<sub>o</sub>/U (Um):</b>	600/1000V, BS5467 <b>Installation Temperature:</b>
	<b>Minimum:</b> 0°C • <b>Maximum:</b> 60°C
<b>Installation Type:</b>	Outdoor • Direct burial
<b>Operating Temperature:</b>	<b>Minimum:</b> -15°C • <b>Maximum:</b> 90°C
<b>Short-circuit Maximum Conductor Temperature:</b>	250°C
<b>Flame Retardant:</b>	IEC 60332-1 and BS EN 50265-2-1
<b>Bending Radius:</b>	50mm <sup>2</sup> up to 1000mm <sup>2</sup> = 6 x Ø

Part number	Cross section mm <sup>2</sup>	Stranding mm	Approx weight kg/km	Approx overall diameter	Gland size mm	Single cleat	Nom. Max. DC-resist conductor 20°C ohm/km	Current rating laid direct amp
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#### Single Core: Brown inner & Black Outer

AWAPVC1X50	1 x 50	19/1.78	669	17.85	20	0.7	0.387	231
AWAPVC1X70	1 x 70	19/2.14	946	19.8	25	0.8	0.268	284
AWAPVC1X95	1 x 95	19/2.52	1,233	21.75	25	0.9	0.193	340
AWAPVC1X120	1 x 120	37/2.03	1,481	23.6	25	1.0	0.153	386
AWAPVC1X150	1 x 150	37/2.25	1,875	26.5	32	1.1	0.124	431
AWAPVC1X185	1 x 185	37/2.52	2,275	28.5	32	1.2	0.0991	485
AWAPVC1X240	1 x 240	61/2.25	2,900	32.0	40	1.4	0.0754	558
AWAPVC1X300	1 x 300	61/2.52	3,525	33.5	40	1.4	0.0601	623
AWAPVC1X400	1 x 400	61/2.85	4,575	38.5	40	1.6	0.0470	691
AWAPVC1X500	1 x 500	61/3.2	5,675	43.1	50s	1.8	0.0366	765
AWAPVC1X630	1 x 630	127/2.52	7,175	47.0	50	2.0	0.0283	840
AWAPVC1X800	1 x 800	127/2.85	9,300	54.0	63s	TC9	0.0221	888
AWAPVC1X1000	1 x 1000	127/3.2	11,435	58.4	63s	TC10	0.0176	942

### Suitable gland types:

**CW Aluminium:** Internal & External

**A2:** Compression gland

Also available in a low smoke halogen free version.

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