

Single Core Medium Voltage Power Cable

BS6622 Cu/XLPE/CTS/PVC/AWA/PVC 6.36/11kV

Cable Application

Cu/XLPE/CTS/PVC/AWA/PVC 11kV medium voltage power cable may be used for power networks, in fixed installation outdoors in cable ducts or directly in the ground. The cable consists of a Class 2 stranded copper conductor, semi conductive conductor screen, XLPE insulation, semi conducting layer with a plain copper tape screen, PVC bedding, Aluminium Wire Armour and red PVC outer sheath. 6350/11000 volts to BS6622 and IEC 60502-2, flame retardant to IEC 60332-1.

Technical Information

Conductor Material:	Copper
Conductor Identification:	Coloured tape under screen
Conductor Shape:	Circular
Conductor Flexibility:	Stranded class 2
Material of the Inner Semi-conductor:	Semi-conducting compound
Insulation:	XLPE (Chemical)
Armour Type:	Aluminium wires
Screen:	Copper tape
Outer Sheath:	PVC
Inner Sheath:	PVC
Material of the External Semi-conduct:	Extruded strippable
Colour:	Red
Lead Free:	Yes
Rated Voltage Uo/U (Um):	6350/11000V to BS6622 & IEC 60502-2
Installation Temperature:	Minimum: 0°C • Maximum: 60°C
Installation Type:	Direct burial or in ducts
Operating Temperature:	Minimum: -15°C • Maximum: 90°C
Short-circuit Maximum Conductor Temperature:	250°C
Flame Retardant:	Yes, IEC 60332-1
Bending Radius:	15 x Ø

Part number	Cross section mm ²	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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1 Core: Brown Tape

11KVPVC1X50	1 x 50	19/1.78	1,210	28.5	32	1.2	0.387	221
11KVPVC1X70	1 x 70	19/2.14	1,500	30.5	32	1.2	0.268	270
11KVPVC1X95	1 x 95	19/2.52	1,700	32.4	32	1.4	0.193	321
11KVPVC1X120	1 x 120	37/2.03	2,105	34.2	40	1.4	0.153	363
11KVPVC1X150	1 x 150	37/2.25	2,505	36.4	40	1.6	0.124	410
11KVPVC1X185	1 x 185	37/2.52	2,900	37.7	40	1.6	0.0991	455
11KVPVC1X240	1 x 240	61/2.25	3,532	40.6	50s	1.6	0.0754	520
11KVPVC1X300	1 x 300	61/2.52	4,230	42.7	50s	1.8	0.0601	580

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1 Core: Brown Tape								
11KVPVC1X400	1 x 400	61/2.85	5,145	46.4	50s	2.0	0.0470	650
11KVPVC1X500	1 x 500	61/3.20	6,450	51.0	50	2.0	0.0366	710
11KVPVC1X630	1 x 630	127/2.52	7,950	59.9	63s	R9	0.0283	761
11KVPVC1X800	1 x 800	127/2.85	9,720	60.0	63	R10	0.0221	812
11KVPVC1X1000	1 x 1000	127/3.2	11,860	64.0	75s	R11	0.0176	868

Also available in a low smoke halogen free version.