

BS7835 - 6.35/11kv single core AWA

Single core armoured cable with XLPE insulation. Rated voltage 6.35/11 KV

Description

Electric cable with copper conductor, semiconductive conductor screen, XLPE insulation, semiconductive insulation screen, copper metallic screen on each core, LSZH bedding, aluminium wires armour (AWA), LSZH (Low Smoke Zero Halogen) outer sheath

Application

suitable for installation in energy networks where for safety reasons Low Smoke, Halogen Free and flame retardant cables are specified. The cable is suitable for installation underground, in ducts or in air

Note: the cable is suitable for rated voltage 6/10 KV according to IEC 60502-2









Standards

International IEC 60502-2
National BS 7835

Characteristics

Construction characteristics	
Conductor material	Copper
Conductor shape	Circular
Conductor flexibility	Stranded class 2
Material of the inner semi-conductor	XLPE-SC
Insulation	XLPE (chemical)
Material of the external semi-conductor	Extruded strippable
Screen	Copper tape
Inner sheath	Low smoke, zero halogen thermoplastic compound
Armour type	Aluminium Wire
Outer sheath	LSZH
Colour	Red
Lead free	Yes
Halogen free	Yes

					
Conductor flexibility Stranded class 2	Lead free Yes	Halogen free Yes	Rated Voltage U ₀ /U (U _m) 6.35 / 11 kV	Max. conductor temperature in service 90 °C	Flame retardant Yes

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Electrical characteristics

Rated Voltage U ₀ /U (U _m)	6.35 / 11 kV
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Usage characteristics

Max. conductor temperature in service	90 °C
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Short-circuit max. conductor temperature	250 °C
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Flame retardant	Yes
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Selling information

On request the cables could be produced with suitable cross-section of metallic screen to meet the requirements of the customers. Please contact us for more information. The permissible current ratings are provided for informative purpose only.



Conductor flexibility
Stranded class 2



Lead free
Yes



Halogen free
Yes



Rated Voltage U₀/U
(U_m)
6.35 / 11 kV



Max. conductor temperature in
service
90 °C



Flame retardant
Yes