

## Alsecure BS7835 - 6.35/11kv 3 core SWA

Armoured 3-core cable with XLPE insulation. Rated voltage 6.35/11 KV

### Description

Electric cable with copper conductors, semiconductive conductor screen, XLPE insulation, semiconductive insulation screen, copper metallic screen for each core, LSF bedding, galvanized steel wires armour (SWA), LSF outer sheath

### Application

suitable for installation in energy networks where for safety reasons Low Smoke and Halogen Free 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

**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	Bare copper
Inner sheath	Low smoke, zero halogen thermoplastic compound
Armour type	Galvanized steel wires
Outer sheath	Low smoke, zero halogen thermoplastic compound
Colour	Red
Lead free	Yes
Halogen free	Yes

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

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**Dimensional characteristics**

Number of cores	3
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**Electrical characteristics**

Rated Voltage Uo/U (Um)	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**

The single core MV cables 6.35/11 KV are with Aluminium wires armour (AWA)



Conductor flexibility  
Stranded class 2



Lead free  
Yes



Halogen free  
Yes



Rated Voltage Uo/U  
(Um)  
6.35 / 11 kV



Max. conductor temperature in  
service  
90 °C



Flame retardant  
Yes