



Caledonian

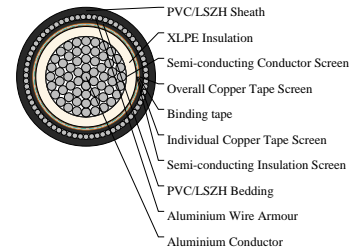
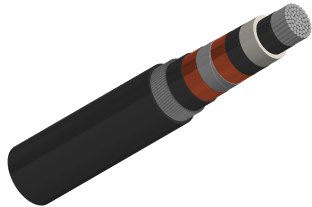
Railway Cables

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11KV LSZH Power Cables to BS 7835

RF7835-RHZ1MZ1-6.35/11KV-1G500SAL



APPLICATIONS

The cables are power cables for power networks, underground, outdoors and in cable ducting, in particular for installation where fire, smoke emission and toxic fumes create a potential threat.

STANDARDS

BS7835

BS EN 50267-2-1

CABLE CONSTRUCTION

Conductor: Class 2 stranded Aluminium conductor to BS EN 60228:2005 (previously BS6360)

Conductor Screen: Semi-conducting material

Insulation: XLPE Type GP8 to BS7655

Insulation Screen: Semi-conducting material

Metallic Screen: Individual and overall copper tape screen to BS6622

Filler: PETP (Polyethylene Terephthalate) fibres

Separator: Binding tape

Bedding: LSZH

Armour: Aluminium wire armoured (AWA)

Sheath: LSZH

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 15xOD

Temperature Range: 0°C to +90°C (during operation); 0°C to +60°C (during installation)

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Nominal Insulation Thickness	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Nom. Overall Diameter	Approx. Weight	Max. DC Resistance at 20°C
No. × mm ²	mm	mm	mm	mm	kg/km	Ω/km
1 x 500	3.4	1.3	2.5	61.1	4500	0.0366



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Fire Retardant
NF C32-070-2,2(C1)
IEC 60332-3-2,4/EN 50266-2-4



Flame Retardant
NF C32-070-2,1(C2)
IEC 60332-1-3/EN 50265-2-1



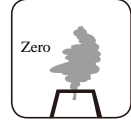
Low Corrosivity
IEC 60754-2/EN 50267-2-2,3
NF C32-074/NF C20-453



Low Smoke Emission
IEC 61034-2 / EN 50268-2
NF C32-073/NF C 20-462



Low Toxicity



Zero Halogen
IEC 60754-1/EN 50267-2-1
NF C20-454