



Caledonian

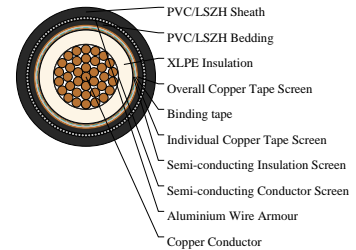
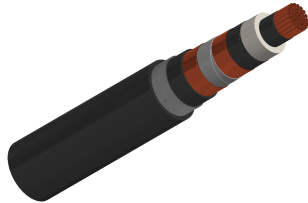
Railway Cables

www.caledonian-cables.com

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33KV LSZH Power Cables to BS 6622/BS 7835

RF6622-RHVMV-19/33KV-1G120SCU



APPLICATIONS

The cables are power cables for power networks, underground, outdoors and in cable ducting.

STANDARDS

BS 6622 (PVC)

BS 7835 (LSZH)

VOLTAGE RATING

19/33KV

CABLE CONSTRUCTION

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

Conductor Screen: Semi-conducting material

Insulation: XLPE (Cross-Linked Polyethylene) 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: PVC Type TM1 to BS7655 or LSZH

Armour: Aluminium wire armoured (AWA)

Sheath: PVC Type TM1 to BS7655 or 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



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1 x 120	8	1.2	2.3	44.5	3000	0.153
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Fire Retardant
NF C32-070-2.2(C1)
IEC60332-3-24/EN50266-2-4



Flame Retardant
NF C32-070-2.1(C2)
IEC60332-1-2/EN50265-2-1



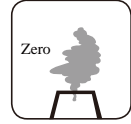
Low Corrosivity
IEC60754-2/EN50267-2-2/3
NF C32-074/NF C20-453



Low Smoke Emission
IEC 61034-2 / EN 50268-2
NF C32-073/NF C 20-902



Low Toxicity



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