



# Caledonian

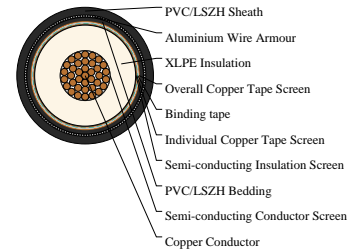
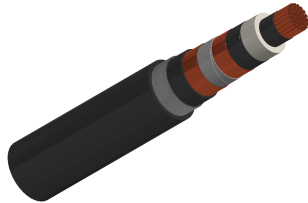
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## 33KV LSZH Power Cables to BS 6622/BS 7835

RF6622-RHVMV-19/33KV-1G150SCU



### 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<br>× 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 <sup>2</sup>                    | mm                           | mm                             | mm                             | mm                    | kg/km          | Ω/km                       |



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## Railway Cables

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|         |   |     |     |      |      |       |
|---------|---|-----|-----|------|------|-------|
| 1 x 150 | 8 | 1.3 | 2.4 | 47.3 | 3500 | 0.124 |
|---------|---|-----|-----|------|------|-------|



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



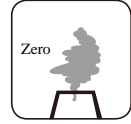
Low Corrosivity  
IEC60754-2/EN50267-2-2/3  
NF C32-074/NF C20-453



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