



Caledonian

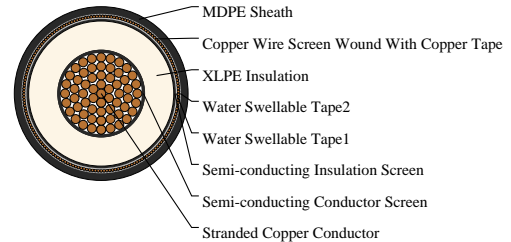
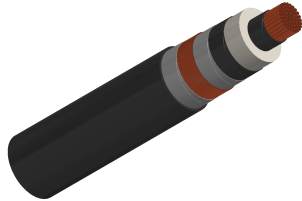
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

33KV Power Cables to BS 7835 NR/PS/00008

RF00008-RHZ1H16-11/33KV-1G300SCU



APPLICATIONS

The cables are used to distribute three phase a.c. electrical power supplies at nominal system voltages of 33KV to traction substations on D.C. electrified lines.

STANDARDS

NR/PS/TEL/00008(formerly RT/E/PS/00008)

BS6622, BS6234, BS7454

IEC 60502-2, IEC60840

VOLTAGE RATING

19/33 KV

CABLE CONSTRUCTION

Conductors: Class 2 compact circular stranded plain copper to BS EN 60228:2005 (previously BS 6360).

Conductor Screen: Extruded semi-conducting XLPE (Cross-Linked Polyethylene) solidly bonded.

Insulation: XLPE (Cross-Linked Polyethylene)

Insulation Screen: Extruded semi-conducting XLPE (Cross-Linked Polyethylene), solidly bonded and cold strippable

Separator: Semi conducting water blocking tape.

Screen: Copper wire screen, helically wound with equalising copper tape

Separator: Semi conducting water blocking tape.

Sheath: Graphite coated MDPE type TS2.

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 15xOD

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

Electrical Properties

Electrical Characteristics at 20°C:

Maximum DC Conductor Resistance:0.0601 Ω/km

Capacitance:0.243 μF/km



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DIMENSION AND PARAMETERS

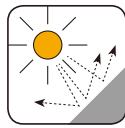
No. of Cores × Cross-sectional Area	Nominal Thickness of Conductor Screen	Nominal Insulation Thickness	Nominal Insulation Screen Thickness	Nom. Overall Diameter	Approx. Weight
No. × mm ²	mm	mm	mm	mm	kg/km
1 x 300	0.9	8	0.6	50	4500



Buried in Ground



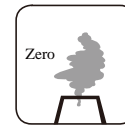
Laid In Ducts



UV Resistant



Water Resistant



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