



# Caledonian

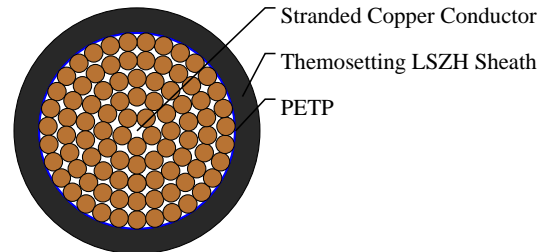
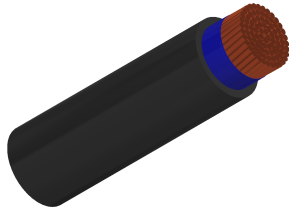
Railway Cables

www.caledonian-cables.com

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## 300V DC Negative Traction Cables

RF6883-ES05Z1-U-300N-1G630S



### APPLICATIONS

These DC power cables are used for urban railways for 1500V DC traction power system with feedback current and return current, suitable for fixed installation. The cables are suitable for installations in ducts, tunnels, and cable troughs or on the cable bridges etc.

### STANDARDS

IEC 60092, IEC 60502  
IEC 60332-3, IEC 60754-2  
BS 7655, IEC 61034  
BS 6883 Type 657 SW4

### VOLTAGE RATING

300V

### CABLE CONSTRUCTION

Conductor: Class 2 stranded annealed bare copper conductors to BS EN 60228:2005 (previously BS6360).

Core wrapping: PETP (Polyethylene Terephthalate).

Sheath: Thermosetting LSZH compound SW4 to BS7655 / ICEA T- T-33-655 with enhanced oil resistance, and minimum tear resistance.

### PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 6 x OD

Temperature Range: -40°C to +90°C (during operation); -25°C to +60°C (during installation)

### DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	No./Nominal Diameter of Strands	Nominal Sheath Thickness	Nom. Overall Diameter	Approx. Weight	Polarity / Gland Size
No. × mm <sup>2</sup>	no./mm	mm	mm	kg/km	
1 x 630	127/2.52	4	42.3	6400	Negative



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## Railway Cables

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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



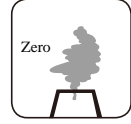
Low Corrosivity  
IEC 60754-2/EN 50267-2-2,3  
NF C32-074/NF C20-453



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