



# Caledonian

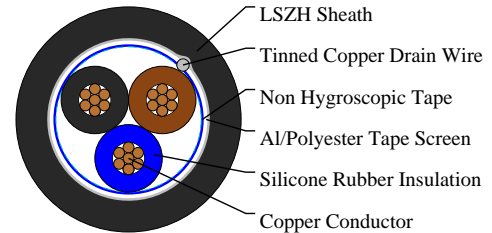
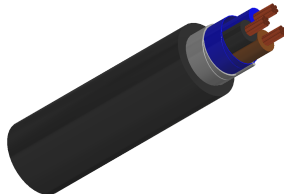
Railway Cables

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## LU Section 12 Fire Integrity Cables

RFLU12-SOZ1-U-PH90(AS+)-300/500V-3G1S



### APPLICATIONS

The cables are designed for installation typically in public help points (PHP), public address (PA), station announcement platforms (SAP) & CCTV camera power systems. The LSZH cables has been designed to provide superior flame retardance and circuit integrity, together with optimized ease of installation characteristics and complies with LU Section 12 station regulations.

### STANDARDS

BS 7629-1/ 5839-1:2002/ 8434-1:2003/6387 C W Z  
BS EN 50200 (PH90)  
UNE 211025

### VOLTAGE RATING

300/500V

### CABLE CONSTRUCTION

Conductors: Class 1 solid or Class 2 stranded annealed bare copper conductors to BS EN 60228:2005 (previously BS6360).

Insulation: Silicone rubber insulation.

Core Wrapping: Plastic tape(s) with overlapping.

Screen: Aluminium/Polyester tape.

Drain Wire: Tinned copper.

Sheath: High performance, thermoplastic LSZH.

### PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 6xOD

Temperature Range: -40°C to +90°C (during operation); -10°C to +70°C (during installation)

### DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	No./Nominal Diameter of Strands	Insulation Thickness (min.)	Nominal Sheath Thickness	Nom. Overall Diameter	Approx. Weight	Max. DC Resistance at 20°C
No.×mm <sup>2</sup>	no./mm	mm	mm	mm	kg/km	Ω/km



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## Railway Cables

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3 x 1	7/0.44	0.6	1.3	7.3	95	18.1
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Highly Flexible



Impact Resistant



Insulation Integrity FE180



Laid In Ducts



Oil Resistant



Water Resistant