



# Caledonian

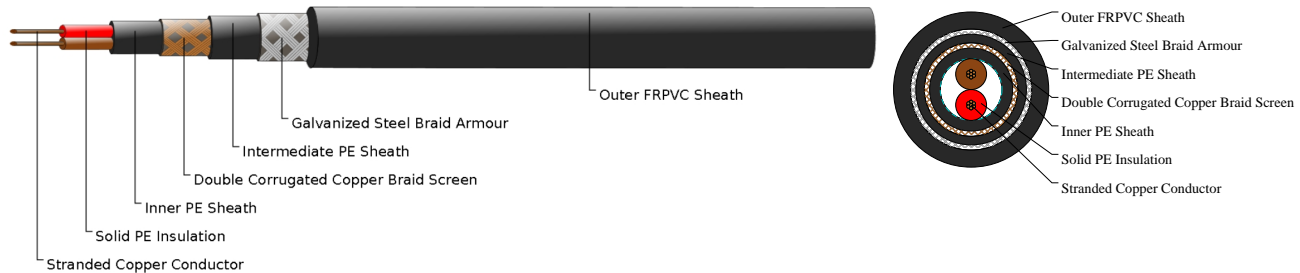
## Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

### EUROBALISE SIF

RS/SIF-2Y2Y(St)2Y(SWB)Y-2C0.85S



### APPLICATIONS

The cables are used in Eurobalise (ERTMS) speed control circuits. The cables are laid in trays alongside railway lines and connect an “Eurobalise” located between the rails to the Eurocoder (LEU) located in a control centre.

### STANDARDS

ALSTOM 5 326 203

SNCF CT 446

### VOLTAGE RATING

450/750V

### CABLE CONSTRUCTION

Conductors: Class 2 stranded copper.

Insulation: Solid polyethylene.

Inner sheath: Low density polyethylene.

Screen: Two corrugated copper braid shields.

Intermediate Sheath: Low density polyethylene.

Armour: Galvanized steel braid armour.

Outer sheath: Flame Retardant PVC.

### PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 8xOD (static); 16xOD (dynamic)

Temperature Range: -30°C to +70°C (during operation); -20°C to +50°C (during installation)

### Electrical Properties

Electrical Characteristics at 20°C:

Nominal Conductor Diameter: 1.04 mm

Nominal Conductor Cross Section: 0.85 mm<sup>2</sup>

Maximum Conductor Resistance (DC): 22 Ω/km

Characteristic Impedance @100KHz: 95 Ω

Maximum Attenuation

@560 kHz: 7.5 dB/km



# Caledonian

## Railway Cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

@1MHz:10 dB/km

Nominal Insulated Thickness:0.63 mm

### DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	No./Nominal Diameter of Strands	Nominal Inner Sheath Thickness	Nominal Interm. Sheath Thickness	Nominal Outer Sheath Thickness	Nom. Overall Diameter	Approx. Weight
No.×mm <sup>2</sup>	no./mm	mm	mm	mm	mm	kg/km
2x0.85	7/0.386	1	0.8	1.6	15	301



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



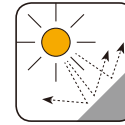
Fuel Oil Resistant



Laid In Ducts



Mineral Oil Resistant



Ozone Resistant



Rated voltage