



## EUROBALISE SIF

### 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.

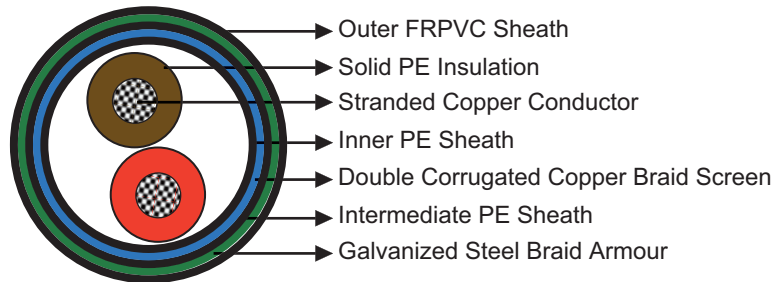


### Standards

- ALSTOM 5 326 203
- SNCF CT 446

### 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.



### Electrical Characteristics at 20°C

Nominal Conductor Diameter	mm	1.04
Nominal Cross Section Area	mm <sup>2</sup>	0.85
Maximum Conductor Resistance (DC)	Ω/km	22
Nominal Characteristic Impedance @100 KHz-1MHz	Ω	95
Maximum Attenuation		
@560 kHz	dB/km	7.5
@1MHz	dB/km	10
Nominal Insulated Thickness	mm	0.63

### Mechanical and Thermal Properties

- Minimum Bending Radius: 8×OD (static); 16×OD (dynamic)
- Temperature Range: -30°C to +70°C (during operation); -20°C to +50°C (during installation)

### Dimensions and Weight

Cable Code	No. of cores & Nominal Conductor Cross Sectional Area No. × mm <sup>2</sup>	No. & Nominal Diameter of Strands No./mm	Nominal Sheath Thickness mm			Nominal Overall Diameter mm	Nominal Weight kg/km
			Inner	Inter.	Outer		
RS/SIF-2Y2YC2Y(SWB)Y-2C0.85S	2 x 0.85	7/0.386	1.0	0.8	1.6	15	301



Mineral Oil Resistant



Fuel Oil Resistant



Ozone Resistant



Rated voltage



Laid In Ducts/  
Channel



Flame Retardant  
NF C32-070-2.1(C2)  
IEC 60332-1/EN 50265-2-1