

## ZUG/ ZUT/ SUG Indoor Equipment Cables

### Applications

The cables are used as cabling for the relays and electronic equipments in the Traffic Control Center and Trackside Equipment Shelter. The cables are suitable for indoor interconnection of railway network equipments.

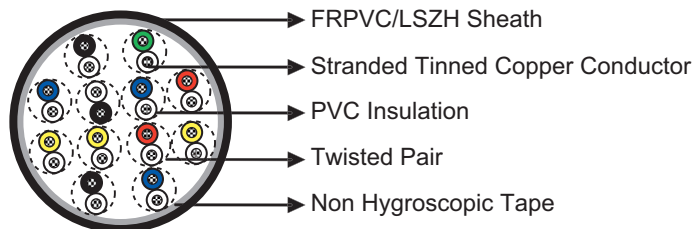


### Standards

- SNCF CT 455

### Construction

- Conductors: Class 5 stranded tinned copper, 1 mm<sup>2</sup> or 0.38 mm<sup>2</sup> cross section.
- Insulation: Coloured PVC.
- Cabling Element: Pairs (for ZUG/ZUT)/Cores (for SUG).
- Core Wrapping (optional): Plastic tape(s) with overlapping.
- Screen (optional): Tinned copper braid for electrostatic protection (only for ZUT type).
- Sheath: Black FRPVC compound. LSZH option can be offered upon request.



### Electrical Characteristics at 20°C

No of Strands/ Strand Diameter	No/mm	12/0.2	32/0.2
Nominal Cross Section Area	mm <sup>2</sup>	0.38	1
Maximum Conductor Resistance (DC)	Ω/km	52.5	20.1
Operating Voltage	V	450/750	450/750

### Mechanical and Thermal Properties

- Minimum Bending Radius: 4×OD (static); 8×OD (dynamic)
- Operating Temperature: -15°C to +70°C

### Dimensions and Weight

#### ZUG Cables

Cable Code	Number of Pairs	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
12/0.2mm Conductor, 1.4mm Insulated Wire				
RS/ZUG-075-YY-28P0.38S	28	0.7	15.7	310
32/0.2mm Conductor, 2.09mm Insulated Wire				
RS/ZUG-075-YY-1P1S	1	0.7	7.0	59



Cable Code	Number of Pairs	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
RS/ZUG-075-YY-3P1S	3	0.7	9.9	108
RS/ZUG-075-YY-6P1S	6	0.7	12.4	184
RS/ZUG-075-YY-12P1S	12	0.7	15.7	335

## SUG Cables

Cable Code	Number of Conductors	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
32/0.2mm Conductor, 2.09mm Insulated Wire				
RS/SUG-075-YY-3C1S	3	0.7	8	73

## ZUT Cables

Cable Code	Number of Pairs	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
32/0.2mm Conductor, 2.09mm Insulated Wire				
RS/ZUT-075-YCY-2P1S	2	0.7	9.5	122
RS/ZUT-075-YCY-6P1S	6	0.7	13.5	276
RS/ZUT-075-YCY-12P1S	12	0.7	17.5	445



Rated voltage



Laid In Cable Tray



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

