

SCG Local Control Cables

Applications

The cables are designed as local control or power supply cables for trackside and between the rails equipments inside the equipment shelter.

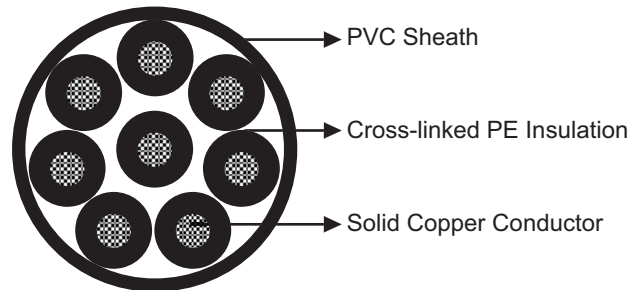


Standards

- SNCF CT 466

Construction

- Conductors: Class 1 tinned solid copper.
- Insulation: Cross-linked black polyethylene (XLPE) insulation.
- Sheath: PVC sheath, coloured black.



Electrical Characteristics at 20°C

Nominal Conductor Diameter	mm	1.78	2.76
Nominal Cross Section Area	mm ²	2.5	6
Maximum Conductor Resistance (DC)	Ω/km	7.56	3.11
Operating Voltage	V	750	

Mechanical and Thermal Properties

- Minimum Bending Radius: 5×OD (static); 10×OD (dynamic)
- Operating Temperature: -20°C to +90°C



Rated voltage



Laid In Cable Tray



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

Dimensions and Weight

Cable Code	Number of Cores	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
1.78mm Conductor, 4mm Insulated Wire				
RS/SCG-075-2XY-2G2.5	2	3.0	14	227
RS/SCG-075-2XY-4G2.5	4	3.2	17	336
RS/SCG-075-2XY-6G2.5	6	3.7	19.5	475
RS/SCG-075-2XY-8G2.5	8	3.9	21	542
2.76mm Conductor, 5.4mm Insulated Wire				
RS/SCG-075-2XY-2G6	2	3.6	18	384
RS/SCG-075-2XY-4G6	4	3.7	20.5	550
RS/SCG-075-2XY-6G6	6	3.9	23.5	780
RS/SCG-075-2XY-8G6	8	4.1	26	940