SCN-S / SCNV-S CT451 450/750 (900) V

SCNV-S 1x1,91²

Reference: 13113815

CONTACT

Market information
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Railway power wires and cables according to CT 451

STANDARDS

Product IEC 60228

APPLICATION

Single-core and multi-core cables for railway applications intended for connecting equipment on and near the tracks. Lynxeo's cables are designed to allow ease of stripping, facilitating the installation process particularly the intergation with connectors and measurement systems.

An example of an application is the connection of CAUTOR, FORFEX, VCC (clamp lock) or PAULVÉ electromechanical detectors, which detect the passage of a train on the track and even its direction. They can also control any function linked to this passage, such as level crossings, signal control and station point control.

Lynxeo SCN-S and SCNV-S cables are adapted to fit with reinforced copper die-cast lugs designed for railways applications according to SNCF specifications.

DESIGN

1. Conductor
Flexible tinned copper Class 5 according to IEC 60228
Separator (optional)

2. Insulation
Cross-linked elastomer

Color coding
- 1 core: white
- 4 cores: black, blue, yellow, red
- 6 or 8 cores: numbers on black cores

Separator (optional)

3. Outer sheath
Cross-linked elastomer
Color: black

Example of marking:
SCN-S - x mm² - CT 451 LYNXEO 269 YY-MM xxx m
or SCNV-S - x mm² - CT 451 LYNXEO 269 YY-MM xxx m

Conductor flexibility	Rated Voltage Uo/U (Um)	Flame retardant	Oil resistance	U.V resistance	Max.conductor temp.in service	Operating temp.
Flexible class 5	**450/750 V**	**C2, NF C 32-070 & IEC 60332-1**	**Good**	**Good**	**70 °C**	**-30 ... 65 °C**

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CHARACTERISTICS

Construction characteristics	
Conductor flexibility	Flexible class 5
Conductor material	Tin plated copper
Insulation	Cross-linked compound
Number of conductors	1
Outer sheath	Cross-linked compound
Dimensional characteristics	
Approximate weight	65 kg/km
Conductor cross-section	1.91 mm²
Maximum outer diameter	7.4 mm
Minimum outer diameter	6.6 mm
Nominal conductor diameter	1.9 mm
Nominal outer diameter	2.0 mm
Electrical characteristics	
Rated Voltage Uo/U (Um)	450/750 V
Maximum DC resistance at 20°C	10.05 Ohm/100m
Usage characteristics	
Flame retardant	C2, NF C 32-070 & IEC 60332-1
Oil resistance	Good
U.V resistance	Good
Max. conductor temperature in service	70 °C
Operating temperature, range	-30 ... 65 °C