



CONTACT

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Railway power wires and cables according to CT 451

STANDARDS

Produkt IEC 60228

APPLICATION

Single-core and multi-core cables for railway applications intended for connecting equipment on and near the tracks. Lynx^{eo}'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.

Lynx^{eo} 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



Leiterflexibilität
KL.5 = feindrätig



Nennspannung U_o/U
450 / 750 V



Flammwidrig
C2, NF C 32-070 &
IEC 60332-1



Ölbeständig
Gut



UV Beständigkeit
Gut



Max. Betriebstemp. am
Leiter
70 °C



Betriebstemp.
-30 ... 65 °C

CHARACTERISTICS

Konstruktionsmerkmale

Leiterflexibilität

KL.5 = feindrätig

Elektrische Eigenschaften

Nennspannung U_o/U

450 / 750 V

Anwendungsmerkmale

Flammwidrig

C2, NF C 32-070 & IEC 60332-1

Ölbeständig

Gut

UV Beständigkeit

Gut

Max. Betriebstemperatur am Leiter

70 °C

Betriebstemperatur

-30 ... 65 °C

SCN-S & SCNV-S (CT451)

| Name | Nom. cond. diam. [mm] | Min. Außendurchmesser [mm] | Außendurchmesser, nom. [mm] | Max. Außendurchmesser [mm] | Gewicht ca. [kg/km] |
|----------------------------|-----------------------|----------------------------|-----------------------------|----------------------------|---------------------|
| SCN-S 1x1,0 ² | 1,3 | 4,5 | 4,0 | 5,5 | - |
| SCNV-S 4x1,0 ² | 1,3 | 13,0 | 6,0 | 14,0 | - |
| SCNV-S 6x1,0 ² | 1,3 | 16,0 | 3,0 | 17,0 | 337 |
| SCNV-S 8x1,0 ² | 1,3 | 17,0 | 7,0 | 18,0 | - |
| SCNV-S 1x1,91 ² | 1,9 | 6,6 | 2,0 | 7,4 | 65 |
| SCN-S 1x2,5 ² | 2,2 | 5,4 | 1,0 | 6,4 | 53 |
| SCNV-S 1x2,5 ² | 2,2 | 6,4 | 5,0 | 7,2 | - |
| SCN-S 1x6 ² | 3,3 | 7,3 | 8,0 | 8,3 | 99 |
| SCNV-S 1x7,42 ² | 3,6 | 8,9 | 9,0 | 9,7 | 146 |

SCNV-S