



CONTACT

Market information
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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. Lynxéo'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.

Lynxéo 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
Leitermaterial	Verzinntes Kupfer
Isolierung	Vernetzte Mischung
Anzahl Leiter	1
Außenmantel	Cross-linked compound

Abmessungsmerkmale

Außendurchmesser Mindestwert	4,5 mm
Außendurchmesser, nom.	4,0 mm
Leiterquerschnitt	1 mm ²
Maximaler Außendurchmesser	5,5 mm
Nettogewicht ca.	- kg/km
Nominal conductor diameter	1,3 mm

Elektrische Eigenschaften

Nennspannung U _o /U	450 / 750 V
Maximum DC resistance at 20°C	20 Ohm/100m

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