



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. 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



Flessibilità del conduttore
 Flessibile classe 5



Tensione nominale U_o/
 U (Um)
 450/750V



Ritardante la fiamma
 C2, NF C 32-070 &
 IEC 60332-1



Resistenza all'olio
 Buona



Resistenza U.V.
 Good



Temp. max di servizio del conduttore
 70 °C



Temperatura Operativa
 -30 ... 65 °C

CHARACTERISTICS**Caratteristiche costruttive**

Flessibilità del conduttore	Flessibile classe 5
Materiale del conduttore	Rame stagnato
Isolamento	Mescola reticolata
Guaina esterna	Mescola reticolata
Numero di conduttori	1

Caratteristiche dimensionali

Diametro esterno max	7,2 mm
Diametro esterno min	6,4 mm
Diametro esterno nominale del cavo	5,0 mm
Nominal conductor diameter	2,2 mm
Peso approssimativo del cavo	- kg/km
Sezione del conduttore del cavo	2,5 mm ²

Caratteristiche elettriche

Tensione nominale U _o /U (Um)	450/750V
Maximum DC resistance at 20°C	8,21 Ohm/100m

Caratteristiche d'utilizzo

Ritardante la fiamma	C2, NF C 32-070 & IEC 60332-1
Resistenza all'olio	Buona
Resistenza U.V.	Good
Temperatura massima di servizio del conduttore	70 °C
Temperatura Operativa	-30 ... 65 °C