



CONTACT

Market information
industryprojects.business@lynxéogroup.com

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 integration 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



Conductor flexibility
5



Uo/U (Um)
450/750 V



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



Oil resistance
Good



U.V resistance
Good



Max. conductor
temp. in service
70 °C



Operating temp.
-30 ... 65 °C

CHARACTERISTICS

Conductor flexibility	5
	Tin plated copper
	Cross - linked compound
Number of conductors	1
	Cross - linked compound
Maximum outer diameter	5.5 mm
Minimum outer diameter	4.5 mm
Nominal conductor diameter	1.3 mm
Nominal outer diameter	4.0 mm
	1 mm ²
()	- kg/km
U ₀ /U (U _m)	450/750 V
Maximum DC resistance at 20 ° C	20 Ohm/100m
	C2, NF C 32 - 070 & IEC 60332 - 1
Oil resistance	Good
U.V resistance	Good
Max. conductor temperature in service	70 ° C
操作度范	- 30 ... 65 ° C