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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



导线柔软度
柔软等级5



额定电压U₀/U
450 / 750 V



阻燃 - 火焰
C2, NF C 32-070 &
IEC 60332-1



耐油
好



抗UV
好



芯线最高静止温度
70 ° C



操作温度
-30 ... 65 ° C

CHARACTERISTICS

结构特性

导线柔软度

柔软等级5

电气特性

额定电压U₀/U

450 / 750 V

使用特性

阻燃 - 火焰

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

耐油

好

抗UV

好

芯线最高静止温度

70 ° C

操作温度范围

-30 ... 65 ° C

SCN-S & SCNV-S (CT451)

Name	Nom. cond. diam. [mm]	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [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