

Reference: 10272681  
EAN 13: 3427580737572

### FIRE PERFORMANCE CLASS



B2ca-s1a,d2,a1

### CONTACT

Market information  
industryprojects.business@lynxéogroup.com

## 3,2/3,2 (3,6) kV (SNCF CT456)

V1FV SH cables are used for signalling system. This product range is recommended for tunnels and stations where enhanced fire safety features are required

### STANDARDS

Test NF C32-070/C2

### DESIGN

- 1. Conductor**  
Stranded plain copper class 2 acc. to IEC 60228
- 2. Insulation**  
Cross-linked Polyethylene (XLPE)
- 3. Assembling**  
An inner sheath acting as a filler with practically zero thickness
- 4. Inner sheath**  
Low smoke, zero halogen (LSZH)
- 5. Screen**  
Semi-conductor and copper tape
- 6. Bedding sheath**  
Low smoke, zero halogen (LSZH)
- 7. Armour**  
Steel tapes
- 8. Outer sheath**  
Low smoke, zero halogen (LSZH)

Example of marking: 3.2 V1FV SH Nber of cores & cross-section C.T. 456 LYNXEO 279 WW YY SNCF RESEAU B2ca-s1a, d2, a1 Manufacturing N° + metric marking

Core identification: 3x: natural - black - red



Halogen free  
IEC 60754-1



Operating temp.  
-20 ... 60 °C



Gases corrosivity  
IEC 60754-2



Smoke density  
IEC 61034-2



Flame retardant  
NFC 32070 C2



Max. conductor temp. in service  
90 °C

**CHARACTERISTICS****Construction characteristics**

Conductor material	Plain copper
Type of conductor	Stranded, class 2
Insulation	XLPE (Cross-linked Polyethylene)
Armour type	Two steel tapes
Halogen free	IEC 60754-1
Number of conductors	-
Outer sheath	LSZH compound

**Dimensional characteristics**

Number of cores	3
Conductor cross-section	50 mm <sup>2</sup>
Approximate weight	3325 kg/km
Maximum outer diameter	42.0 mm
Minimum outer diameter	38.0 mm

**Usage characteristics**

Operating temperature, range	-20 ... 60 °C
Gases corrosivity	IEC 60754-2
Smoke density	IEC 61034-2
Flame retardant	NFC 32070 C2
Max. conductor temperature in service	90 °C