

Reference: 10284550
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CONTACT

Market information
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Medium voltage railway cable

STANDARDS

Product EN 50575; IEC 60228

Test IEC 60840

APPLICATION

Lynxéo medium voltage cables intended for wiring 25 kV and 2x25 kV circuits in substations and electrical traction substations for max. 52 kV in operation.

DESIGN

- 1. Conductor**
Copper class 2 according to IEC 60228
Separator (optional)
- 2. Extruded semi-conductor**
- 3. Insulation**
Cross-linked polyethylene (XLPE)
- 4. Extruded semi-conductor**
- 5. Semi-conductor swelling tape**
- 6. Screen**
Copper wires with copper tape
- 7. Filling material**
- 8. Outer sheath**
Halogen free polyolefin (ST8)
Color: black

Example of marking:
 LYNXEO 279 1x240/70 Cu 26/45kV B2ca-s1a,d0,a1 MM-YY SNCF metric marking



Halogen free
IEC 60754-1



Rated Voltage U_o/U
(Um)
26 / 45 (54) kV



Flame retardant
IEC 60332-1-2



Fire retardant
EN 50399



Smoke density
IEC 61034-2



Gases corrosivity
IEC 60754-2



Operating temp.
-20 ... 60 °C



U.V resistance
Good

CHARACTERISTICS**Construction characteristics**

Conductor material	Bare copper
Type of conductor	Stranded, class 2
Insulation	XLPE (Cross-linked Polyethylene)
Outer sheath	Halogen free polyolefin
Sheath colour	Black
Halogen free	IEC 60754-1

Dimensional characteristics

Conductor cross-section	240 mm ²
Diameter over insulation	39.8 mm
Diameter over screen	42.6 mm
Minimum outer diameter	49.8 mm
Maximum outer diameter	55.0 mm
Approximate weight	5151 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (Um)	26 / 45 (54) kV
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Usage characteristics

Flame retardant	IEC 60332-1-2
Fire retardant	EN 50399
Smoke density	IEC 61034-2
Gases corrosivity	IEC 60754-2
Operating temperature, range	-20 ... 60 °C
U.V resistance	Good
Max. conductor temperature in service	90 °C