

Reference: 10284550  
 EAN 13: 3427580836466

**CONTACT**

Market information  
 industryprojects.business@lynxéogroup.com

**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<sub>o</sub>/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 <sup>2</sup>
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 <sub>o</sub> /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