

## CONTACT

Market information  
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## Medium voltage railway (coaxial) cable

### STANDARDS

**Product** EN 50575; IEC 60228

**Test** IEC 60840

### APPLICATION

Medium voltage coaxial cables intended for wiring 25 kV and 2x25 kV circuits in substations and electrical traction substations, excluding tunnels and public places.

### DESIGN

#### 1. Conductor

Aluminium class 2 according to IEC 60228  
Separator (optional)

#### 2. Extruded semi-conductor

#### 3. Insulation

Cross-linked polyethylene (XLPE)

#### 4. Extruded semi-conductor

#### 5. Swelling tape

#### 6. Screen

Copper wires with copper tape

#### 7. Filling

#### 8. Outer sheath

Polyolefin without halogen (ST8)  
Color: black

Example of marking:

FEEDER 1x240/70 Alu 26/45kV B2ca -LYNXEO 269 YY-MM     xxx m



Halogen free  
IEC 60754-1



Flame retardant  
IEC 60332-1-2



Smoke density  
IEC 61034-2



Max. conductor temp. in  
service  
90 °C



Operating temp.  
-20 ... 60 °C



Gases corrosivity  
IEC 60754-2



U.V. resistance  
Good

### CHARACTERISTICS

#### Construction characteristics

Conductor material	Aluminum
Type of conductor	Class 2
Insulation	XLPE (Cross-linked Polyethylene)
Outer sheath	Halogen free polyolefin
Halogen free	IEC 60754-1

#### Dimensional characteristics

Conductor cross-section	240 mm <sup>2</sup>
Minimum outer diameter	49.7 mm
Maximum outer diameter	55.0 mm
Approximate weight	3339 kg/km

#### Usage characteristics

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



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IEC 60754-1



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