

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 ²
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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