



Country Ref.: 2PM710

### CONTACT

Markets and Products Information  
[rollingstock.business@lynxeogroup.com](mailto:rollingstock.business@lynxeogroup.com)

## COMMUNICATION CABLES

Lynxéo produces a range of coaxial cables (50-95 Ω) for data transmission and video signal in onboard equipment. FLAMEX® products are compatible with all standard coaxial connectors.

### STANDARDS

Product EN 45545-2 (HL3); EN 50264-1; MIL C17; NF C93-550

### DESIGN

#### 1. Conductor

Stranded bare, tinned or silver coated copper

#### 2. Dielectric

Polyethylene (PE)

#### 3. Screen

Single or double braid in bare, tinned or silver coated copper

#### 4. Sheath

Cross-linked halogen-free

Colour: black. Optional lay up with fire barrier tapes

Example of marking: KX13 - 50 OHMS - DTREN 150017 - FLAMEX 239 - EDE 2PJ749 - week/year - Batch number

### ADDITIONAL INFORMATION

- Bending radius:
  - Static use: 5 x outer diameter
  - For installation and occasional movements: ... x outer cable diameter
- Standards: MIL C 17 (RG) - NF C 93 550 (KX)
- Compatible with standard connectors: SMA, SMB, TNC, BNC, N...
- Electrical characteristics:
  - COAXIAL CABLES 50 Ω: Capacity < 106 pF/m - Velocity of propagation 65.9%
  - COAXIAL CABLES 75 Ω: Capacity < 72.2 pF/m - Velocity of propagation 65.9%



Halogen free  
 EN 60754-1 & EN 60684-2



Flame retardant  
 IEC/EN 60332-1-2



Fire retardant  
 EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)



Smoke density  
 EN/IEC 61034-2



Gases toxicity  
 EN 50305-9.2



Electro magnetic interference resistance  
 Yes



Chemical resistance  
 Good

**CHARACTERISTICS****Construction characteristics**

Construction type	7 x 0.40
Screen	Single braid
Outer sheath	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2
Sheath colour	Black

**Dimensional characteristics**

Nominal outer diameter	10.3 mm
Approximate weight	122 kg/km

**Electrical characteristics**

Characteristic impedance	75 Ohm
Operating voltage Vo AC	3700 V

**Usage characteristics**

Flame retardant	IEC/EN 60332-1-2
Fire retardant	EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)
Smoke density	EN/IEC 61034-2
Gases toxicity	EN 50305-9.2
Electro magnetic interference resistance	Yes
Chemical resistance	Good