



CONTACT

Markets and Products Information
rollingstock.business@lynxeogroup.com

COMMUNICATION CABLES

Lynx^{eo} 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

Outer sheath	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2
Sheath colour	Black

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

FLAMEX® KX/RG COAXIAL 50 Ω

Reference	Country Ref.	Name	Construction type	Screen	Nom. outer diam. [mm]	Approx. weight [kg/km]
10275486	2PJ749	FLAMEX® KX13 / RG214	7 x 0.75	Double braid	10.8	205
10283768	2PM708	FLAMEX® KX4 / RG213	7 x 0.75	Single braid	10.3	160
	2PM712	FLAMEX® KX15-2S	19 x 0.18	Double braid	5.38	50
10275487	2PM711	FLAMEX® KX15 / RG58	19 x 0.18	Single braid	4.95	45

FLAMEX® KX/RG COAXIAL 75 Ω

Reference	Country Ref.	Name	Construction type	Screen	Nom. outer diam. [mm]	Approx. weight [kg/km]
10275502	2PM709	FLAMEX® KX6A / RG59	7 x 0.20	Single braid	6.1	57
	2PM710	FLAMEX® KX8 / RG11	7 x 0.40	Single braid	10.3	122

FLAMEX® KX/RG COAXIAL 95 Ω

Reference	Country Ref.	Name	Construction type	Screen	Nom. outer diam. [mm]	Approx. weight [kg/km]
10276725	2PM713	FLAMEX® RG022	7 x 0.40	Double braid	10.7	200