



### CONTACT

Markets and Products Information  
rollingstock.business@lynxgroup.com

### COMMUNICATION CABLES

FLAMEX® LLC (Low Loss Coaxial) are intended for antenna wireless communication systems. This product range offers superior RF shielding effectiveness. It is compatible with all standard coaxial connectors.

### STANDARDS

Product EN 45545-2 (HL3); EN 50264-1

### DESIGN

#### 1. Conductor

Bare Copper

#### 2. Insulation

Foam polyethylene

#### 3. Screen

Aluminium/polyester tape  
Tinned copper braid  
Separator tape

#### 4. Outer sheath

Cross-linked material EM 104 acc. EN 50264-1  
Oil, diesel, ozone and UV resistant  
Colour: black

Example of marking: DTREN 150063 ANTENNA COAXIAL 50 OHMS - LOW LOSS 240 - FLAMEX 239 - EDE 2PM719- week / year - Batch number

### ADDITIONAL INFORMATION

- Compatible with all standard coaxial connectors
- Bending radius:
  - Static use: ... x outer cable diameter
  - For installation and occasional movements: ... x outer cable diameter



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

Conductor material	Bare copper
Insulation	Foam polyethylene
Taping	Aluminium / Polyester tape
Screen	Tinned copper braid
Separator	Separator Tape
Outer sheath	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2

## Electrical characteristics

Characteristic impedance	50 Ohm
--------------------------	--------

## 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® LOW LOSS COAXIAL 50 Ω

Reference	Country Ref.	Name	Nom. outer diam. [mm]	Approx. weight [kg/km]	Attenuation, nom. 450 MHz [dB/100m]	Attenuation, nom. 1800 MHz [dB/m]
10275717	2PM719	FLAMEX® LLC 240	6.1	60	17.2	35.9
10275720	2PM720	FLAMEX® LLC 400	10.3	170	8.7	18.2
13117371	2PN366	FLAMEX® LLC 500	12.7	235	6.6	14.5