



**Reference:** 10275717  
**Country Ref.:** 2PM719

### CONTACT

Markets and Products Information  
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## 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



Static bending rad.  
 60 mm

**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
Sheath colour	Black

**Dimensional characteristics**

Nominal outer diameter	6.1 mm
Approximate weight	60 kg/km

**Electrical characteristics**

Characteristic impedance	50 Ohm
Nominal capacitance	78.0 pF/m
Resistance of inner conductor (DC)	- Ohm/km

**Transmission characteristics**

Nominal Velocity of Propagation (NVP)	80 %
Minimum return loss 10 to 450 MHz	28 dB
Minimum return loss 450 to 1'000 MHz	26 dB
Attenuation, nom. 450 MHz	17.2 dB/100m
Attenuation, nom. 1800 MHz	35.9 dB/m

**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
Minimum static operating bending radius	60 mm