



Reference: 13117371
Country Ref.: 2PN366

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	12.7 mm
Approximate weight	235 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	6.6 dB/100m
Attenuation, nom. 1800 MHz	14.5 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