



Reference: 10203711
EAN 13: 3427650118522

CONTACT

Market information
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INSTRUMENTATION, CONTROL and COMMUNICATION cables

STANDARDS

Product IEC 60228

Installation IEC 60092-350; IEC 60092-360; IEC 60092-376

Test a; IEC 60332-1; IEC 60332-3-22; IEC 60754-1; IEC 61034

APPLICATION

TX[®] (I) 150/250 V overall and individually screened twisted pair cables are used for telecommunication and instrumentation purposes. These cables show strong protection against cross-talk and result into a good compromise between TX[®](C) and TCX[®](C) cables against external electromagnetic disturbances. Designed with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risks of fire.

Design

- 1. Conductor**
Stranded bare copper class 2
- 2. Insulation**
XLPE (Cross-linked polyethylene)
- 3. Individual screen**
Alu/polyester tape with a tinned copper drain wire
- 4. Outer sheath**
Polyolefin SHF1
Colour : grey

Example of marking:

LYNXEO 279 TX(I) Nbr of pairs/triads & cross-section 150/250V 90C IEC 60092-376 IEC 60332-3-22 Cat.A WW YYYY *CE* Manufacturing n° + metric marking

Core identification

Pair: white / blue with printed pair number

Triad: white / blue / red with printed triad number



Conductor flexibility
Stranded class 2



Halogen free
IEC 60754-1



Rated Voltage U_o/U_m
(Um)
150 / 250 (300) V



Fire retardant
EN IEC 60332-3-22
(cat A)



Flame retardant
IEC 60332-1



Smoke density
IEC 61034



Gases corrosivity
IEC 60754-2



Electro magnetic
interference
resistance
Yes

CHARACTERISTICS

Construction characteristics

Conductor flexibility	Stranded class 2
Halogen free	IEC 60754-1
Conductor material	Bare copper
Insulation	XLPE (Cross-linked Polyethylene)
Individual screen	Aluminium / Polyester tape
Drain wire	Tinned copper
Outer sheath	Polyolefin
Sheath colour	Grey

Dimensional characteristics

Nominal outer diameter	18.9 mm
Number of pairs	-
Number of triples	10
Conductor cross-section	0.75 mm ²
Minimum outer diameter	17.6 mm
Maximum outer diameter	20.2 mm
Approximate weight	463 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (Um)	150 / 250 (300) V
Max. DC resistance of the conductor at 20°C	52 Ohm/km

Usage characteristics

Fire retardant	EN IEC 60332-3-22 (cat A)
Flame retardant	IEC 60332-1
Smoke density	IEC 61034
Gases corrosivity	IEC 60754-2
Electro magnetic interference resistance	Yes
Operating temperature, range	-30 ... 80 °C
Max. conductor temperature in service	90 °C

OTHER CHARACTERISTICS

Test Voltage

AC between cores of the same unit..... 1.5 kV

Minimum bending radius for fixed installations

- cable diameter ≤ 25 mm..... 4 x outer diameter
- cable diameter > 25 mm..... 6 x outer diameter