



CONTACT

Market information
industryprojects.business@lynxgroup.com

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



Halogen free
IEC 60754-1



Rated Voltage U_o/U
(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



Operating temp.
-30 ... 80 °C

CHARACTERISTICS

Construction characteristics

Halogen free IEC 60754-1

Electrical characteristics

Rated Voltage U₀/U (U_m) 150 / 250 (300) V

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

PRODUCTS LIST

Reference	Cross section [mm ²]	nb pairs	nb triples	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10167363	0.75	-	1	6.4	6.8	7.3	58
10285273	0.75	-	2	10.5	11.3	12.1	125
10167500	0.75	-	4	11.8	12.7	13.6	202
10167503	0.75	-	7	15.1	16.2	17.3	334
10203711	0.75	-	10	17.6	18.9	20.2	463
10167495	0.75	2	-	9.0	9.7	10.4	101
10167499	0.75	4	-	10.5	11.3	12.1	149
10167501	0.75	7	-	12.7	13.7	14.7	243
10223450	0.75	14	-	18.4	19.8	21.2	490
10227431	1.5	10	-	19.2	20.6	22.0	580

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