



### 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<sup>®</sup> (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<sup>®</sup>(C) and TCX<sup>®</sup>(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<sub>o</sub>/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 U<sub>0</sub>/U (U<sub>m</sub>) 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 <sup>2</sup> ]	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