



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[®] (C) 150/250 V overall screened twisted pair cables are used for telecommunication and instrumentation purposes. These cables provide a medium protection 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. Collective screen

Alu/polyester tape with a tinned copper drain wire

4. Outer sheath

Polyolefin SHF1
 Colour : grey

Example of marking

LYNXEO 279 TX(C) 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 with pair number

Triad: white / blue / red with printed with triad number



Halogen free
 IEC 60754-1



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



Max. conductor
 temp. in service
 90 °C

CHARACTERISTICS

Construction characteristics

Halogen free	IEC 60754-1
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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]
	0.75	-	2	10.0	10.8	12.0	150
	0.75	-	4	11.5	12.1	13.5	190
10167362	0.75	1	-	6.1	6.53	7.0	47
10167494	0.75	2	-	6.9	7.42	7.9	71
10167497	0.75	3	-	9.9	10.6	11.4	108
10167498	0.75	4	-	11.0	11.8	12.6	131
10167502	0.75	7	-	13.3	14.3	15.3	205
10167505	0.75	10	-	15.6	16.8	18.0	282
10167507	0.75	14	-	17.5	18.8	21.0	374
10167509	0.75	19	-	19.9	21.4	22.9	483
10167510	0.75	24	-	22.2	23.9	25.6	599
	0.75	37	-	25.5	26.8	29.0	900
	1.5	-	2	12.5	13.4	15.0	240
	1.5	-	4	14.5	15.0	16.5	320
10167511	1.5	1	-	7.3	7.9	8.5	80
10167513	1.5	2	-	8.6	9.2	9.8	118
10167514	1.5	3	-	11.5	12.4	13.3	179
	1.5	4	-	12.5	13.4	15.0	230
10270142	1.5	7	-	15.6	16.8	18.0	360
10167517	1.5	10	-	18.4	19.8	21.2	500
10270133	1.5	14	-	19.9	21.4	22.9	633
	1.5	19	-	25.0	25.8	28.0	910

OTHER CHARACTERISTICS**Test Voltage**

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

Minimum bending radius for fixed installations

- cable diameter \leq 25 mm..... 4 x outer diameter
- cable diameter $>$ 25 mm..... 6 x outer diameter