



#### CONTACT

Market information  
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**International Designation:** TX<sup>®</sup> (I) 331 150/250V 10P0.75

#### INSTRUMENTATION, CONTROL AND COMMUNICATION CABLES

#### STANDARDS

**Product** IEC 60228

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

**Test** a; IEC 60331-1 or 2; IEC 60332-1; IEC 60332-3-22; IEC 60754-1; IEC 61034

#### APPLICATION

TX<sup>®</sup> (I) 331 150/250 V fire resistant overall and individually screened twisted pair cables maintain circuit integrity in case of fire by meeting performances requirements from the IEC 60331 series for 180 minutes. These telecommunication and instrumentation cables show a strong protection against cross-talk and result into a good compromise between TX<sup>®</sup> (C) 331 and TCX<sup>®</sup> (C) 331 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

Mica tape + XLPE (cross-linked polyethylene)

##### 3. Individual screen

Alu/polyester tape with a tinned copper drain wire

##### 4. Outer sheath

Polyolefin SHF1  
 Colour: orange

Example of marking:

LYNXEO 279 TX (I) 331 150/250 V "n x 2 or 3 x s" mm<sup>2</sup> 90 °C - IEC 60092-376 IEC 60332-3-22 Cat. A IEC 60331-1/2 ww/yy - CE + metric marking

Core Identification

Pair: white / blue with printed with pair number

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



Senza alogeno  
 IEC 60754-1



Flessibilità del conduttore  
 A trefoli classe 2



Tensione nominale  
 U<sub>o</sub>/U (Um)  
 150 / 250 (300) V



Resistenza al fuoco  
 IEC 60331-1 or -2



Fuoco ritardante  
 EN IEC 60332-3-22  
 (cat A)



Densità fumo  
 IEC 61034



Fumo  
 IEC 60754-2



Resistenza ad interferenza elettromagnetica  
 SI

**CHARACTERISTICS****Caratteristiche costruttive**

Senza alogeno	IEC 60754-1
Materiale del conduttore	Rame nudo
Flessibilità del conduttore	A trefoli classe 2
Isolamento	XLPE + nastro di mica
Schermo	Nastro alluminio-poliestere
Drain wire	Rame stagnato
Guaina esterna	Poliolefina
Colore della guaina esterna	Arancio

**Caratteristiche dimensionali**

Numero di coppie	10
Numero di terne	-
Sezione del conduttore del cavo	0,75 mm <sup>2</sup>
Diametro esterno min	17,0 mm
Diametro esterno nominale del cavo	- mm
Diametro esterno max	21,0 mm
Peso approssimativo del cavo	470 kg/km

**Caratteristiche elettriche**

Tensione nominale U <sub>0</sub> /U (U <sub>m</sub> )	150 / 250 (300) V
Massima resistenza el. del cond. a 20°C in c.c.	52 Ohm/km

**Caratteristiche d'utilizzo**

Resistenza al fuoco	IEC 60331-1 or -2
Fuoco ritardante	EN IEC 60332-3-22 (cat A)
Densità fumo	IEC 61034
Fumo	IEC 60754-2
Resistenza ad interferenza elettromagnetica	SI
Temperatura Operativa	-30 ... 80 °C
Temperatura massima di servizio del conduttore	90 °C

**OTHER CHARACTERISTICS****Test Voltage**

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

**Minimum bending radius for fixed installations**

• TX® (I) 331..... 6 x outer diameter