



Reference: 10171351
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CONTACT

Market information
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International Designation: TX[®] (I) 331 150/250V 14P0.75

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[®] (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[®] (C) 331 and TCX[®] (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" mm² 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_o/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	14
Numero di terne	-
Sezione del conduttore del cavo	0,75 mm ²
Diametro esterno min	22,2 mm
Diametro esterno nominale del cavo	23,9 mm
Diametro esterno max	25,6 mm
Peso approssimativo del cavo	618 kg/km

Caratteristiche elettriche

Tensione nominale U ₀ /U (U _m)	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