



## CONTACT

Market information  
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International Designation: TX® (I) 331 150/250V 19P1.5

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" 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



Halogen free  
IEC 60754 - 1



Conductor flexibility

2



Uo/U  
(Um)  
150 / 250 (300) V



Fire resistant  
IEC 60331 - 1 or  
- 2



Fire retardant  
EN IEC  
60332 - 3 - 22 (cat  
A)



IEC 61034



Gases corrosivity  
IEC 60754 - 2



Electro magnetic  
interference  
resistance  
Yes

## CHARACTERISTICS

Halogen free		IEC 60754 - 1
Conductor flexibility	가	2
	+	
	-	
Drain wire		
Sheath colour		
Number of pairs		19
Number of triples		-
		1.5 mm <sup>2</sup>
Minimum outer diameter		28.0 mm
Nominal outer diameter		- mm
Maximum outer diameter		31.0 mm
( )		1260 kg/km
U <sub>o</sub> /U (Um)		150 / 250 (300) V
20 ° C	DC	25.6 Ohm/km
Fire resistant		IEC 60331 - 1 or - 2
Fire retardant		EN IEC 60332 - 3 - 22 (cat A)
		IEC 61034
Gases corrosivity		IEC 60754 - 2
Electro magnetic interference resistance		Yes
操作度范		- 30 ... 80 ° C
Max. conductor temperature in service		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