



CONTACT

Market information
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International Designation: TX® (I) 331 150/250V 19P0.75

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



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		-
		0.75 mm ²
Minimum outer diameter		22.5 mm
Nominal outer diameter		- mm
Maximum outer diameter		27.0 mm
()		830 kg/km
U _o /U (Um)		150 / 250 (300) V
20 ° C	DC	52 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