



Reference: 10171239
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CONTACT

Market information
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International Designation: TCX® (C) 331 150/250V 1P0.75

INSTRUMENTATION 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

TCX® (C) 331 150/250 V fire resistant armoured 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 low transfer impedance in low frequency and an effective screening in high frequency, making them very suitable for polluted electromagnetic surroundings. TCX(C) 331 cables are used for detection and warning systems where enhanced mechanical protection is required. 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. Inner covering
Lapped polyester tape
4. Armouring
Bare copper braid
5. Outer sheath
Polyolefin SHF1
Colour: orange

Example of marking:

LYNXEO 279 TCX (C) 331 150/250 V "n" 2 or 3 "s" mm² 90 ° C IEC 60092 - 376 IEC 60332 - 3 - 22 Cat. A IEC 60331 - 1/2 "ww/yy" * CE * TCF + 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 +
Sheath colour		
Armour type		
Drain wire		
Protection		
Number of pairs		1
Number of triples		-
		0.75 mm ²
Nominal outer diameter		8.92 mm
Minimum outer diameter		8.3 mm
Maximum outer diameter		9.5 mm
()		87 kg/km
Uo/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

- TCX® 331..... 6 x outer diameter