



CONTACT

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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® (I) 331 150/250 V fire resistant armored 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 provide strong protection against cross-talk in both low and high frequency runs, making them suitable for highly polluted electromagnetic surroundings. TCX®(I) 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. Individual screen
Alu/polyester tape with a tinned copper drain wire
4. Inner covering
Lapped polyester tape
5. Armouring
Bare copper braid
6. Outer sheath
Polyolefin SHF1
Colour: orange

Example of marking:

LYNXEO 279 TCX (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 * TCIF + metric marking

Core Identification

Pair: white / blue with printed with pair number

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



无卤
IEC 60754-1



额定电压U₀/U
150 / 250 (300) V



耐火
IEC 60331-1 or -2



阻燃
EN IEC 60332-3-22
(cat A)



烟密度
IEC 61034



气体腐蚀性
低 IEC 60754-2



抗电磁干扰
是



操作温度
-30 ... 80 ° C

CHARACTERISTICS

结构特性	
无卤	IEC 60754-1
尺寸特性	
三线组数	-
电气特性	
额定电压U ₀ /U	150 / 250 (300) V
使用特性	
耐火	IEC 60331-1 or -2
阻燃	EN IEC 60332-3-22 (cat A)
烟密度	IEC 61034
气体腐蚀性	低 IEC 60754-2
抗电磁干扰	是
操作温度范围	-30 ... 80 ° C
芯线最高静止温度	90 ° C

PRODUCTS LIST

Reference	Cross section [mm ²]	nb pairs	nb triples	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10280539	0.75	2	-	12.6	13.6	14.6	180
10199548	0.75	14	-	23.8	25.6	27.4	798
10280538	1.5	2	-	15.2	16.3	17.4	292

OTHER CHARACTERISTICS

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

Minimum bending radius for fixed installations
• TCX® (I)
331..... 6 x
outer diameter