



Reference: 10281445  
EAN 13: 3427650094079

### CONTACT

Market information  
industryprojects.business@lynxéogroup.com

INSTRUMENTATION, CONTROL and COMMUNICATION cables

### STANDARDS

Product IEC 60092-375

Installation IEC 60092-3

Test a; IEC 60332-3 Cat.A; IEC 60754-1; IEC 61034

International IEC 60298

### APPLICATION

TCX® (C) 150/250 V armoured twisted pair cables are used for telecommunication and instrumentation purposes. These 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) cables are also selected 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  
XLPE (cross-linked polyethylene)
3. Assembling  
Polyester tape
4. Armour  
Bare copper braid
5. Outer sheath  
Polyolefin SHF1  
Colour : grey

Example of marking:

LYNXEO 279 TCX (C) Nbr of pairs/triads & cross-section 150/250V 90C IEC 60092-376 IEC 60332-3-22 Cat.A WW YYYY \*CE\* Manufacturing n° + metric marking

Core identification

Pair: white / blue with printed pair number

Triad: white / blue / red with printed triad number



无卤  
IEC 60754-1



导线柔软度  
绞和等级2



额定电压U<sub>0</sub>/U  
150 / 250 (300) V



阻燃  
EN IEC 60332-3-22  
(cat A)



阻燃 - 火焰  
IEC 60332-1



烟密度  
IEC 61034



气体腐蚀性  
低 IEC 60754-2



抗电磁干扰  
是

## CHARACTERISTICS

## 结构特性

无卤	IEC 60754-1
导体材料	裸铜线
导线柔软度	绞和等级2
绝缘	XLPE (Cross-linked Polyethylene)
Inner covering	Polyester tape(s)
铠装类型	裸铜编织
外护套	聚烯烃
护套颜色	灰

## 尺寸特性

线对数	7
三线组数	-
导线截面	0.75 mm <sup>2</sup>
标称外径	15.1 mm
外径最小值	14.0 mm
Maximum outer diameter	16.2 mm
近似重量	237 kg/km

## 电气特性

20° C时导体的最大直流电阻	52 Ohm/km
额定电压U <sub>0</sub> /U	150 / 250 (300) V

## 使用特性

阻燃	EN IEC 60332-3-22 (cat A)
阻燃 - 火焰	IEC 60332-1
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

## OTHER CHARACTERISTICS

## Test Voltage

Between cores of the same

unit..... 1,5 kV AC

Minimum bending radius for fixed installations..... 6 x outer diameter