



Reference: 10210836  
EAN 13: 3427650123403

### CONTACT

Market information  
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INSTRUMENTATION, CONTROL and COMMUNICATION cables

### STANDARDS

Product IEC 60228

Installation IEC 60092 - 350; IEC 60092 - 360; IEC 60092 - 376

Test a; IEC 60332 - 1; IEC 60332 - 3 - 22; IEC 60754 - 1; IEC 61034

### 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



Halogen free  
IEC 60754 - 1



Conductor flexibility

2



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



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



IEC 60332 - 1



IEC 61034



Gases corrosivity  
IEC 60754 - 2



Electro magnetic  
interference  
resistance  
Yes

## CHARACTERISTICS

Halogen free	IEC 60754 - 1
Conductor flexibility	2
Inner covering	XLPE(가 )
Armour type	Polyester tape(s)
Sheath colour	
Number of pairs	14
Number of triples	-
	1.5 mm <sup>2</sup>
Nominal outer diameter	23.7 mm
Minimum outer diameter	22.0 mm
Maximum outer diameter	25.4 mm
( )	835 kg/km
20 ° C DC	25.6 Ohm/km
U <sub>o</sub> /U (U <sub>m</sub> )	150 / 250 (300) V
Fire retardant	EN IEC 60332 - 3 - 22 (cat A)
	IEC 60332 - 1
	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  
Between cores of the same unit..... 1,5 kV AC

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