



Reference: 10170124
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CONTACT

Market information
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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



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	24
Number of triples	-
	0.75 mm ²
Nominal outer diameter	25.3 mm
Minimum outer diameter	23.5 mm
Maximum outer diameter	27.1 mm
()	757 kg/km
20 ° C DC	52 Ohm/km
U _o /U (U _m)	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