



Reference: 10170125
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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 | 1 |
| Number of triples | - |
| | 1.5 mm ² |
| Nominal outer diameter | 8.64 mm |
| Minimum outer diameter | 8.0 mm |
| Maximum outer diameter | 9.2 mm |
| () | 97 kg/km |
| 20 ° C DC | 25.6 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