



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® (I) 150/250 V armoured individually screened twisted pair cables are used for telecommunication and instrumentation purposes. These cables provide strong protection against cross-talk in both low and high frequency runs, making them suitable for highly polluted electromagnetic surroundings. TCX®(I) 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. Individual screen**
Alu/polyester tape with a tinned copper drain wire
- 4. Assembling**
Polyester tape
- 5. Armour**
Bare copper braid
- 6. Outer sheath**
Polyolefin SHF1
Colour : grey

Example of marking:

LYNXEO 279 TCX (I) Nber 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



Senza alogeno
IEC 60754-1



Tensione nominale
U_o/U (Um)
150 / 250 (300) V



Fuoco ritardante
EN IEC 60332-3-22
(cat A)



Ritardante la fiamma
IEC 60332-1



Densità fumo
IEC 61034



Fumo
IEC 60754-2



Resistenza ad interferenza elettromagnetica
SI



Temperatura Operativa
-30 ... 80 °C

CHARACTERISTICS

Caratteristiche costruttive

Senza alogeno IEC 60754-1

Caratteristiche elettriche

Tensione nominale U₀/U (Um) 150 / 250 (300) V

Caratteristiche d'utilizzo

Fuoco ritardante EN IEC 60332-3-22 (cat A)

Ritardante la fiamma IEC 60332-1

Densità fumo IEC 61034

Fumo IEC 60754-2

Resistenza ad interferenza elettromagnetica SI

Temperatura Operativa -30 ... 80 °C

PRODUCTS LIST

Reference	Sezione del conduttore del cavo [mm ²]	Numero di coppie	Numero di terne	Diametro esterno min [mm]	Diametro esterno nominale del cavo [mm]	Diametro esterno max [mm]	Peso approssimativo del cavo [kg/km]
	0,75	-	2	12,0	12,3	14,0	230
	0,75	-	4	13,0	14,1	15,0	290
10170061	0,75	2	-	10,1	10,9	11,7	153
10170094	0,75	4	-	11,8	12,7	13,6	216
10170097	0,75	7	-	14,3	15,4	16,5	353
10170099	0,75	10	-	16,8	18,1	19,4	473
10170102	0,75	14	-	18,7	20,1	21,5	610
10183965	0,75	19	-	20,8	22,4	24,0	768
10259830	0,75	24	-	23,1	24,8	26,5	926
10170127	1,5	2	-	12,2	13,2	14,1	222
10251178	1,5	4	-	14,8	15,9	17,0	356
10196872	1,5	7	-	17,7	19,0	20,3	543
10282430	1,5	10	-	20,6	22,2	23,8	729

OTHER CHARACTERISTICS

Test Voltage

Between cores of the same unit..... 1,5 kV AC

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