TCX® (C) 150/250(300) V

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

CONTACT

Market information
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Senza alogeno	Tensione nominale	Fuoco ritardante	Ritardante la fiamma	Densita' fumo	Fumo	Resistenza ad interferenza elettromagnetica	Temperatura Operativa
IEC 60754-1	Uo/U (Um) **150 / 250 (300) V**	**EN IEC 60332-3-22 (cat A)**	**IEC 60332-1**	**IEC 61034**	**IEC 60754-2**	**Sì**	**-30 ... 80 °C**

TCX® (C) 150/250(300) V

CHARACTERISTICS

Caratteristiche costruttive	
Senza alogeno	IEC 60754-1
Caratteristiche elettriche	
Tensione nominale Uo/U (Um)	150 / 250 (300) V
Caratteristiche d'utilizzo	
Fuoco ritardante	EN IEC 60332-3-22 (cat A)
Ritardante la fiamma	IEC 60332-1
Densita' fumo	IEC 61034
Fumo	IEC 60754-2
Resistenza ad interferenza elettromagnetica	Sì
Temperatura Operativa	-30 ... 80 °C
Temperatura massima di servizio del conduttore	90 °C

PRODUCTS LIST

Reference	Sezione del conduttore del cavo [mm²]	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]
10170056	0,75	-	1	7,1	7,6	8,1	78
	0,75	-	2	11,0	11,1	13,0	150
	0,75	-	4	12,8	12,5	14,5	225
10170057	0,75	1	-	6,9	7,4	8,0	72
10170060	0,75	2	-	7,6	8,2	8,8	97
10170063	0,75	4	-	12,0	12,8	13,8	186
10281445	0,75	7	-	14,0	15,1	16,2	237
10281446	0,75	10	-	16,9	18,1	19,5	385
10170101	0,75	14	-	18,8	20,2	21,6	505
10170103	0,75	19	-	21,3	22,9	24,5	641
10170124	0,75	24	-	23,5	25,3	27,1	757
	0,75	30	-	25,5	27,6	28,5	904
10170125	1,5	1	-	8,0	8,64	9,2	97
10170126	1,5	2	-	9,4	9,9	11,0	149
10170128	1,5	4	-	14,2	15,3	16,4	323
10281141	1,5	7	-	17,0	18,3	19,6	474
10284268	1,5	10	-	19,8	21,3	22,8	637
10210836	1,5	14	-	22,0	23,7	25,4	835

OTHER CHARACTERISTICS

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

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