



CONTACT

Market information
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INSTRUMENTATION, CONTROL and COMMUNICATION cables

STANDARDS

Produkt IEC 60228

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

Tests 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



Halogenfrei
IEC 60754-1



Nennspannung U_o/
U
150 / 250 (300) V



Flammwidrig
EN IEC 60332-3-22
(cat A)



Flammwidrig
IEC 60332-1



Rauchdichte
IEC 61034



Korrosivität der
(Brand-)Gase
niedrig, gem. IEC
60754-2



Elektromagnetisch
geschirmt
Ja



Betriebstemp.
-30 ... 80 °C

CHARACTERISTICS

Konstruktionsmerkmale

Halogenfrei IEC 60754-1

Elektrische Eigenschaften

Nennspannung U_o/U 150 / 250 (300) V

Anwendungsmerkmale

Flammwidrig EN IEC 60332-3-22 (cat A)

Flammwidrig IEC 60332-1

Rauchdichte IEC 61034

Korrosivität der (Brand-)Gase niedrig, gem. IEC 60754-2

Elektromagnetisch geschirmt Ja

Betriebstemperatur -30 ... 80 °C

Max. Betriebstemperatur am Leiter 90 °C

PRODUKT-LISTE

Reference	Querschnitt [mm ²]	nb pairs	nb triples	Min. Außendurchmes- ser [mm]	Außendurchmesser, nom. [mm]	Max. Außendurchmes- ser [mm]	Gewicht ca. [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