



### CONTACT

Market information  
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### INSTRUMENTATION, CONTROL and COMMUNICATION cables

### STANDARDS

**Producto** IEC 60228

**Instalación** IEC 60092-350; IEC 60092-360; IEC 60092-376

**Ensayo a;** IEC 60332-1; IEC 60332-3-22; IEC 60754-1; IEC 61034

### APPLICATION

TCX<sup>®</sup> (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<sup>®</sup> (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



Libre de halógenos  
 IEC 60754-1



Tensión nominal de servicio U<sub>o</sub>/U  
 150 / 250 (300) V



No propagador del incendio  
 EN IEC 60332-3-22 (cat A)



No propagación de la llama  
 IEC 60332-1



Densidad de los humos  
 IEC 61034



Corrosividad de los gases  
 Baja IEC 60754-2 (cat A)



Resistencia a interferencias electromagnéticas  
 SI



Temp. ambiente de utilización  
 -30 ... 80 °C

## CHARACTERISTICS

## Características de construcción

|                    |             |
|--------------------|-------------|
| Libre de halógenos | IEC 60754-1 |
|--------------------|-------------|

## Características eléctricas

|                                  |                   |
|----------------------------------|-------------------|
| Tensión nominal de servicio Uo/U | 150 / 250 (300) V |
|----------------------------------|-------------------|

## Características de uso

|  |                           |
|--|---------------------------|
| No propagador del incendio                     | EN IEC 60332-3-22 (cat A) |
| No propagación de la llama                     | IEC 60332-1               |
| Densidad de los humos                          | IEC 61034                 |
| Corrosividad de los gases                      | Baja IEC 60754-2          |
| Resistencia a interferencias electromagnéticas | Sí                        |
| Temperatura ambiente de utilización (rango)    | -30 ... 80 °C             |
| Temperatura máxima del conductor               | 90 °C                     |

## PRODUCTS LIST

| Reference | Sección [mm²] | nb pairs | nb triples | Diámetro exterior mínimo [mm] | Diám. nom. exterior [mm] | Diámetro ext. máximo [mm] | Peso aprox. [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