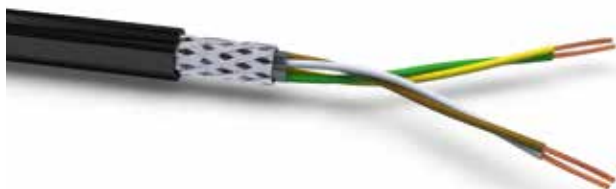


Li2YCY (TP)**Li2YCYv (TP)****APPLICATION**

Li2YCY (TP) specially for wiring of data systems with transmission rates up to 10 Mb/s. Applicable for interfaces CI 422 and 485. Li2YCYv (TP) with reinforced black outer sheath (Yv) applicable for indoor and outdoor areas as well as for direct underground installation. For fixed installation in dry and moist rooms and partly for flexible use. 7-wire strand applicable for MAXI-TERMI-POINT® wiring.

STANDARDS

flame-resistant acc. to IEC 60332-1-2

CONSTRUCTION

Conductor: copper strand, bare, 7-wired

Core insulation: PE

Core identification: acc. to DIN 47100

Core stranding: cores twinned to pairs, pairs twisted to layers

Lapping: plastic foil

Screen: tinned copper wire braid (visual covering appr. 80%)

Sheath: PVC; colour: pebble grey RAL 7032 (Y), black RAL 9005 (Yv)

ELECTRICAL CHARACTERISTICS

| | |
|---|------------|
| Inductance ca. | 0,65 mH/km |
| Insulation resistance min. | 5 GΩ x km |
| Characteristic impedance | 100 ± 15 Ω |
| Mutual capacitance max. (800 Hz) | 60 nF/km |
| Near-end crosstalk attenuation ≤ 1 MHz | max. 50 dB |
| Near-end crosstalk attenuation ≤ 10 MHz | max. 40 dB |
| Peak operating voltage | 500 V |
| Test voltage core-core | 2000 V |
| Test voltage core-screen | 1000 V |

| dimension | diameter ca., mm | Cable weight ca., kg/km | copper index kg/km |
|--------------------|---------------------|----------------------------|-----------------------|
| Li2YCY (TP) | | | |
| 2 x 2 x 0,22 | 6,5 | 59 | 24,2 |
| 3 x 2 x 0,22 | 7,1 | 66 | 28,6 |
| 4 x 2 x 0,22 | 7,3 | 78 | 34,2 |
| 8 x 2 x 0,22 | 9,1 | 125 | 70,0 |
| 10 x 2 x 0,22 | 10,4 | 143 | 76,0 |
| 1 x 2 x 0,34 | 5,8 | 44 | 20,0 |
| 2 x 2 x 0,34 | 7,7 | 79 | 34,1 |
| 3 x 2 x 0,34 | 8,4 | 89 | 43,0 |
| 4 x 2 x 0,34 | 8,7 | 101 | 52,8 |
| 8 x 2 x 0,34 | 11,0 | 176 | 85,8 |
| 1 x 2 x 0,5 | 6,3 | 53 | 29,0 |
| 2 x 2 x 0,5 | 8,5 | 85 | 37,0 |
| 3 x 2 x 0,5 | 9,3 | 105 | 55,0 |
| 4 x 2 x 0,5 | 9,6 | 122 | 60,0 |
| 8 x 2 x 0,5 | 12,7 | 213 | 113,3 |
| 10 x 2 x 0,5 | 14,8 | 261 | 154,0 |

Li2YCYv (TP)

| | | | |
|---------------|------|-----|-------|
| 2 x 2 x 0,22 | 8,1 | 79 | 24,2 |
| 3 x 2 x 0,22 | 8,7 | 93 | 28,6 |
| 4 x 2 x 0,22 | 8,9 | 100 | 34,2 |
| 8 x 2 x 0,22 | 10,7 | 156 | 70,0 |
| 10 x 2 x 0,22 | 12,0 | 185 | 76,0 |
| 1 x 2 x 0,34 | 7,4 | 69 | 20,0 |
| 2 x 2 x 0,34 | 9,3 | 102 | 34,1 |
| 3 x 2 x 0,34 | 10,0 | 117 | 43,0 |
| 4 x 2 x 0,34 | 10,3 | 130 | 52,8 |
| 8 x 2 x 0,34 | 12,6 | 206 | 85,8 |
| 1 x 2 x 0,5 | 7,9 | 79 | 29,0 |
| 2 x 2 x 0,5 | 10,1 | 120 | 37,0 |
| 3 x 2 x 0,5 | 10,9 | 142 | 55,0 |
| 4 x 2 x 0,5 | 11,2 | 160 | 60,0 |
| 8 x 2 x 0,5 | 13,9 | 251 | 113,3 |
| 10 x 2 x 0,5 | 16,0 | 303 | 148,0 |

THERMAL & MECHANICAL PROPERTIES

| | |
|---------------------------------------|----------------|
| Temperature range during installation | -5°C to +70°C |
| Temperature range stationary | -30°C to +80°C |
| Minimum bending radius stationary | 7,5 x diameter |

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We reserve changes which serve technical progress • Copper base 150,00 € / 100,00 kg
• Price upon quantity-specific request