



UNITRONIC® LiYCY (TP)

Shielded data cable with colour code according to DIN 47100 and twisted in pairs

Info

- (TP) = twisted pair



Benefits

- Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)
- Overall shield minimises electrical interference

Application range

- Versatile applications for computer systems, electronic control and regulating devices, office machines, scales etc.
- Dry or damp rooms

Product features

- Good protection against capacitive interference from external electric fields (e.g. power cable)

- Flame-retardant according to IEC 60332-1-2

Norm references / approvals

- Based on VDE 0812

Design

- Finely stranded bare copper wires
- Core insulation made of PVC
- Twisted pair (TP) structure
- Tin-plated copper braiding
- Outer sheath made of PVC
Outer sheath colour: pebble grey (RAL 7032)

Technical data

	Classification ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
	Core identification code DIN 47100, refer to appendix T9
	Operating capacitance C/C approx. 120 nF/km C/S: approx. 160 nF/km
	Peak operating voltage (not for power applications) at 0.14 mm ² : 350 V at ≥ 0.25 mm ² : 500 V
	Inductance approx. 0.65 mH/km
	Conductor design Fine copper wire strands
	Minimum bending radius Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
	Test voltage At 0.14 mm ² : 1200 V
	Temperature range Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

Article number	Dimensions in mm ² per conductor	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]
UNITRONIC® LiYCY (TP)				
0035131	2 x 2 x 0.14	5.3	18.5	39
0035141	3 x 2 x 0.14	5.8	23.0	48
0035132	4 x 2 x 0.14	6.2	26.6	54
0035133	6 x 2 x 0.14	7.1	48.5	85
0035150	8 x 2 x 0.14	8.2	53.7	97
0035134	10 x 2 x 0.14	8.7	59.0	110
0035135	12 x 2 x 0.14	8.9	66.0	142
0035136	16 x 2 x 0.14	10.2	79.0	154
0035142	20 x 2 x 0.14	11.3	97.0	184
0035137	25 x 2 x 0.14	12.5	113.0	238
0035800	2 x 2 x 0.25	6.3	28.0	54
0035801	3 x 2 x 0.25	7.1	39.6	68.5
0035802	4 x 2 x 0.25	7.6	44.9	81
0035803	6 x 2 x 0.25	8.5	69.5	115
0035804	8 x 2 x 0.25	10.3	76.9	130
0035805	10 x 2 x 0.25	11.0	102.0	158
0035806	12 x 2 x 0.25	11.3	120.0	190
0035807	16 x 2 x 0.25	12.5	146.5	238

Article number	Dimensions in mm ² per conductor	Outer diameter [mm]	Copper index [kg/km]	Weight [kg/km]
0035808	25 x 2 x 0.25	16.1	205.0	344
0035810	2 x 2 x 0.50	7.9	48.1	93
0035811	3 x 2 x 0.50	8.7	73.7	129
0035812	4 x 2 x 0.50	9.4	82.0	146
0035813	6 x 2 x 0.50	11.1	110.0	198
0035814	8 x 2 x 0.50	13.1	139.0	259
0035816	12 x 2 x 0.50	14.9	198.3	354
0035817	16 x 2 x 0.50	16.5	240.0	459
0035820	2 x 2 x 0.75	8.5	58.0	106
0035821	3 x 2 x 0.75	9.4	84.0	140
0035822	4 x 2 x 0.75	10.7	108.0	179
0035827	5 x 2 x 0.75	11.1	126.0	215
0035823	6 x 2 x 0.75	12.1	146.0	246
0035824	8 x 2 x 0.75	14.7	180.0	305
0035825	12 x 2 x 0.75	16.2	261.0	456
0035830	2 x 2 x 1.00	9.0	84.0	142
0035831	3 x 2 x 1.00	10.4	96.0	173
0035832	4 x 2 x 1.00	11.3	121.0	212
0035836	5 x 2 x 1.00	11.8	161.0	266

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- UNITRONIC® CY PiDY (TP) refer to page [P233]
- UNITRONIC® PUR CP (TP) refer to page [P221]
- UNITRONIC® Li2YCY (TP) fine-wire refer to page [P243]
- UNITRONIC® LiYCY (TP) A refer to page [P153669]

Accessories

- SKINTOP® MS-SC-M refer to page [P997]
- SKINTOP® MS-HF-M SC refer to page [P297217]
- Multipurpose shears A and B refer to page [P1244]
- STAR STRIP stripping tool refer to page [P1259]