Screened data transmission cable with colour code acc. to DIN 47100 and twisted pairs
Decoupling of circuits by means of
twisted-pair (TP) design (crosstalk effects)
Overall braid minimises electrical
interference

RoHS

Interference signals

Info
TP = twisted pair

Application range
Can be used multifunctional in electronics of computer systems, electronic control equipment, office machines, balances, etc.
Dry or damp rooms

Product Make-up
Fine-wire strand made of bare copper wires
Core insulation made of PVC
TP structure
Tinned-copper braiding
Outer sheath made of PVC
Outer sheath colour: pebble grey (RAL 7032)

Norm references / Approvals
Based on VDE 0812

Product features
Good protection against capacitive interference from electric fields (e.g. power cable)
Flame-retardant according IEC 60332-1-2

Remark
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengthsPackaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drumPlease specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Core identification code:	DIN 47100, refer to Appendix T9
Mutual capacitance:	C/C: approx. 120 nF/km C/S: approx. 160 nF/km
Peak operating voltage:	(not for power applications) at 0.14 mm²: 350 V at ≥ 0.25 mm²: 500 V
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity:	Approx. 0.50 mH/km
Conductor stranding:	Fine copper wire strands
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Test voltage:	At 0.14 mm²: 1200 V ≥ 0.25 mm²: 1500 V
Temperature range:	Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C

Part number	Number of pairs and mm² 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
0035808	25 x 2 x 0,25	16.1	205.0	344
0035810	2 x 2 x 0,5	7.9	48.1	93
0035811	3 x 2 x 0,5	8.7	73.7	129
0035812	4 x 2 x 0,5	9.4	82.0	146
0035813	6 x 2 x 0,5	11.1	110.0	198
0035814	8 x 2 x 0,5	13.1	139.0	259
0035816	12 x 2 x 0,5	14.9	198.3	354
0035817	16 x 2 x 0,5	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

Part number	Number of pairs and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0035830	2 x 2 x 1	9.0	84.0	142
0035831	3 x 2 x 1	10.4	96.0	173
0035832	4 x 2 x 1	11.3	121.0	212
0035836	5 x 2 x 1	11.8	161.0	266