Screened halogen-free data transmission cable with colour code acc. to DIN 47100
Halogen-free: to protect human life and valuable assets in the event of a fire, through low smoke density and low amount of corrosive gases
Low capacitance due to polyolefin-based insulation
Overall braid minimises electrical interference



RoHS

Halogen-free

Interference signals

Info
For use within public buildings and industrial plants

Application range
Suitable for areas with a high density of people as well as high-value property that must be protected in the event of a fire
For use within public buildings, transport systems and industrial plants
For data processing, measurement and control engineering, safety related systems and as electronics cable
For use in computer systems, instrumentation systems, office equipment, balances -wherever screened, halogen-free, small-diameter cables are needed.
7-wire stranded conductor can be used for Maxi TERMI-POINT® wiring (for this product the 0,34mm² version only)

Design
Fine-wire/multi-wire (0.34 mm²) strand made of bare copper wires
Core insulation made of special halogen-free compound
Tinned-copper braiding
Outer sheath made of special halogen-free compoundOuter sheath colour: pebble grey (RAL 7032)

Norm references / Approvals
Based on VDE 0812

Product features
Flame-retardant according IEC 60332-1-2
Low smoke zero halogen (LSZH)
Halogen-free according to IEC 60754-1 (amount of halogen acid gas) Corrosiveness of combustion gases according to EN 50267-2-3 (degree of acidity)
Low smoke density according to IEC 61034-2

Remark
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. 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-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
TERMI-POINT® is a registered trademark of AMP
Photographs are not to scale and do not represent detailed images of the respective products.

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Technical Data

Core identification code:	DIN 47100 without colour repetition, refer to Appendix T9
Mutual capacitance:	C/C approx. 80 nF/km C/S approx. 120 nF/km
Peak operating voltage:	(not for power applications) 250 V
Inductivity:	approx. 0.65 mH/km
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Stranded, fine-wire 0.34 mm²: 7-wire
Minimum bending radius:	Occasional flexing: 10 x outer diameter Fixed installation: 6 x outer diameter
Test voltage:	1200 V
Temperature range:	Occasional flexing: -5°C to +70°C Fixed installation: -30°C to +80°C

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® LiHCH				
0037302	2 x 0,14	4.1	12.0	22
0037303	3 x 0,14	4.3	14.1	25
0037304	4 x 0,14	4.5	15.9	29
0037306	6 x 0,14	5.1	22.0	35
0037307	7 x 0,14	5.1	24.0	38
0037308	8 x 0,14	6.0	26.0	41
0037312	12 x 0,14	6.5	30.4	78
0037316	16 x 0,14	7.2	43.0	90
0037325	25 x 0,14	8.7	63.0	149
0037402	2 x 0,25	4.7	15.0	25
0037403	3 x 0,25	4.9	18.0	30
0037404	4 x 0,25	5.2	22.0	35
0037406	6 x 0,25	6.2	30.0	49
0037407	7 x 0,25	6.2	32.0	52
0037408	8 x 0,25	7.3	35.0	58
0037410	10 x 0,25	7.7	42.0	81
0037425	25 x 0,25	10.9	114.0	172
0037502	2 x 0,34	5.1	17.0	30
0037503	3 x 0,34	5.3	21.0	35
0037504	4 x 0,34	5.9	25.0	42
0037505	5 x 0,34	6.4	30.0	53
0037507	7 x 0,34	7.0	42.0	73
0037508	8 x 0,34	8.0	45.0	84
0037510	10 x 0,34	8.5	63.0	101
0037516	16 x 0,34	9.6	94.0	160
0037525	25 x 0,34	12.1	144.0	259
0037602	2 x 0,5	5.8	29.0	38
0037603	3 x 0,5	6.1	35.0	47
0037604	4 x 0,5	6.5	45.0	67

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0037605	5 x 0,5	7.2	50.0	76
0037606	6 x 0,5	7.8	59.0	84
0037607	7 x 0,5	7.8	68.0	91
0037608	8 x 0,5	8.9	75.0	135
0037610	10 x 0,5	9.5	93.0	131
0037612	12 x 0,5	9.8	99.0	177
0037618	18 x 0,5	11.7	134.0	239
0037625	25 x 0,5	13.9	211.0	352
0037702	2 x 0,75	6.2	35.0	45
0037703	3 x 0,75	6.5	46.0	69
0037704	4 x 0,75	7.2	56.0	80
0037705	5 x 0,75	7.8	70.0	99
0037707	7 x 0,75	8.3	90.0	120
0037802	2 x 1	6.5	43.0	72
0037803	3 x 1	7.0	56.0	90
0037804	4 x 1	7.5	68.0	109
0037807	7 x 1	8.8	118.0	171
0037902	2 x 1,5	7.7	58.0	90
0037903	3 x 1,5	8.1	74.0	115
0037905	5 x 1,5	9.5	129.0	176

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