

Product Description

Halogen-free data cable



Application range

- For use in computer systems, in instrumentation, office equipment, balances - useful where screened, halogen-free small-diameter cables are needed.
- Suited for areas with a high density of people, e.g. public buildings or transport systems, as well as high-value property that must be protected in case of fire.

Benefits

- Halogen-free data cable

Design

- Bare copper wire stranded conductor
- Halogen-free core insulation and outer sheath
- TP structure
- tinned copper braid
- Colour: pebble grey (RAL 7032)

Product features

- Flame retardant according to IEC 60332-1-2
- Core colour code in accordance with DIN 47100

Technical Data

Core identification code

DIN 47100, see Appendix T9

Mutual capacitance

C/C approx. 80 nF/km

C/S approx. 120 nF/km

Peak working voltage

(not for power applications) 250 V

Inductivity

approx. 0.65 mH/km

Based on

VDE 0812

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine copper wire strands

Conductor resistance

see Appendix T11

Minimum bending radius

Flexing: 15 x outer diameter

Fixed installed: 6 x outer diameter

Test voltage

1200 V

Loop resistance

2 x value in table conductor resistances, see Appendix T 11

Range of temperature

Static: -30°C up to +80°C

Flexing: -5°C up to +70°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
UNITRONIC® LIHCH (TP)				
0038302	2 x 2 x 0,14	5.9	18.5	39
0038303	3 x 2 x 0,14	6.0	23.0	48
0038304	4 x 2 x 0,14	6.4	26.6	54
0038306	6 x 2 x 0,14	7.3	48.5	85
0038308	8 x 2 x 0,14	8.4	53.7	97
0038310	10 x 2 x 0,14	8.9	59.0	110
0038312	12 x 2 x 0,14	9.1	66.0	142
0038316	16 x 2 x 0,14	10.4	79.0	154
0038320	20 x 2 x 0,14	11.5	97.0	184
0038325	25 x 2 x 0,14	12.7	113.0	238
0038402	2 x 2 x 0,25	7.2	28.0	54
0038403	3 x 2 x 0,25	7.3	39.6	66
0038404	4 x 2 x 0,25	7.8	44.9	81
0038406	6 x 2 x 0,25	8.7	69.5	115
0038408	8 x 2 x 0,25	10.5	76.9	130

0038412	12 x 2 x 0,25	11.5	120.0	190
0038416	16 x 2 x 0,25	12.7	146.5	238
0038602	2 x 2 x 0,5	8.8	48.1	93
0038603	3 x 2 x 0,5	8.9	73.7	129
0038604	4 x 2 x 0,5	9.6	82.0	146
0038606	6 x 2 x 0,5	11.3	110.0	198
0038608	8 x 2 x 0,5	13.3	139.0	259
0038612	12 x 2 x 0,5	15.1	198.3	354
0038616	16 x 2 x 0,5	16.7	240.0	459
0038702	2 x 2 x 0,75	9.5	58.0	106
0038703	3 x 2 x 0,75	9.6	84.0	140
0038704	4 x 2 x 0,75	10.9	108.0	179
0038708	8 x 2 x 0,75	14.9	180.0	305
0038802	2 x 2 x 1	10.5	84.0	142
0038803	3 x 2 x 1	10.6	96.0	173
0038804	4 x 2 x 1	11.5	121.0	212
0038805	5 x 2 x 1	12.0	161.0	266

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

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

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (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.