

UNITRONIC® LIHCH (TP)



Info
 • (TP) = twisted pair

Benefits

- Halogen free cable

Application range

- For use in computer systems, in instrumentation, office equipment, balances - everywhere 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.

Product features

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

Approvals (Norm references)



Product Make-up

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

Technical data

- Core identification code**
DIN 47100, see Table T9
- Mutual capacitance**
C/C approx. 80 nF/km
C/S approx. 120 nF/km
- Peak working voltage**
(not for power applications)
250 V
- Based on**
VDE 0812
- Specific insulation resistance**
> 20 GOhm x cm
- Coupling**
At 1 kHz: approx. 300 pF/100 m
- Inductivity**
approx. 0.65 mH/km
- Conductor stranding**
fine copper wire strands
- Conductor resistance**
see appendix T 11
- Minimum bending radius**
Flexing:
15 x cable diameter
fixed installation:
6 x cable diameter
- Test voltage**
1200 V
- Loop resistance**
2 x value in table conductor resistances, table T 11
- Range of temperature**
Operation: -30 °C to +70 °C

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
UNITRONIC® LIHCH (TP)				
0038302	2 x 2 x 0.14	5.9	18.5	39.0
0038303	3 x 2 x 0.14	6.0	23.0	48.0
0038304	4 x 2 x 0.14	6.4	26.6	54.0
0038306	6 x 2 x 0.14	7.3	48.5	85.0
0038308	8 x 2 x 0.14	8.4	53.7	97.0
0038310	10 x 2 x 0.14	8.9	59.0	110.0
0038312	12 x 2 x 0.14	9.1	66.0	142.0
0038316	16 x 2 x 0.14	10.4	79.0	154.0
0038320	20 x 2 x 0.14	11.5	97.0	184.0
0038325	25 x 2 x 0.14	12.7	113.0	238.0
0038402	2 x 2 x 0.25	7.2	28.0	54.0
0038403	3 x 2 x 0.25	7.3	39.6	66.0
0038404	4 x 2 x 0.25	7.8	44.9	81.0
0038406	6 x 2 x 0.25	8.7	69.5	115.0
0038408	8 x 2 x 0.25	10.5	76.9	130.0
0038412	12 x 2 x 0.25	11.5	120.0	190.0

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
0038416	16 x 2 x 0.25	12.7	146.5	238.0
0038602	2 x 2 x 0.5	8.8	48.1	93.0
0038603	3 x 2 x 0.5	8.9	73.7	129.0
0038604	4 x 2 x 0.5	9.6	82.0	146.0
0038606	6 x 2 x 0.5	11.3	110.0	198.0
0038608	8 x 2 x 0.5	13.3	139.0	259.0
0038612	12 x 2 x 0.5	15.1	198.3	354.0
0038616	16 x 2 x 0.5	16.7	240.0	459.0
0038702	2 x 2 x 0.75	9.5	58.0	106.0
0038703	3 x 2 x 0.75	9.6	84.0	140.0
0038704	4 x 2 x 0.75	10.9	108.0	179.0
0038708	8 x 2 x 0.75	14.9	180.0	305.0
0038802	2 x 2 x 1	10.5	84.0	142.0
0038803	3 x 2 x 1	10.6	96.0	173.0
0038804	4 x 2 x 1	11.5	121.0	212.0
0038805	5 x 2 x 1	12.0	161.0	266.0

Copper price basis: EUR 150 / 100 kg
 Our standard lengths, please visit: www.lappkabel.de/en/cable-standardlengths/
 Packaging size: Coil ≤ 30 kg or ≤ 250 m, otherwise drum
 Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Accessories

- SKINTOP® MS-SC-M see page 568
- Multipurpose shears A and B see page 818