

LiHCH

Screened and Halogen-free data cable

**Technical Data:**

- **Conductor material** Copper bare
- **Conductor class** Class 5 according VDE 0295 resp IEC 60228
- **Core insulation** H1
- **Core identification** DIN 47100: Different colours
- **Stranding**
- **Outer sheath** Special halogen-free compound
- **Sheath colour** Grey
- **Rated voltage [V]** 250
- **Testing voltage [V]** 1200
- **Insulation resistance** 20 MOhm x km

Min. bending radius

Occasional flexing: 10 x outer diameter
Fixed installation: 6 x outer diameter

- **Working temp fixed min/max [C]**
-40°C up to +70°C
- **Working temp moved min/max [C]**
-15°C up to +70°C
- **Temp at conductor max.**
- **Burning behaviour** Flame-retardant: IEC 60332-1
- **Approvals** Halogen-free: IEC 60754-1 and IEC 60754-2

Construction:

- fine stranded bare copper conductor
- core insulation made of halogen-free special compound (H1)
- tinned copper screening
- outer sheath: halogen-free special compound.

Application:

Halogen-free data transmission, connecting and control cable for safety-related facilities, in measurement and control technology for lossless transmission of signals.

Use in computer systems, office technology and scales - everywhere, where screened, halogen-free conductors with little cross sections are needed. Convenient for areas with high concentrations of people, e.g. public buildings or means of transportation as well as high material assets which have to be protected in case of fire.

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
2140020014	2 x 0.14	4.10	1.30	2.20
2140030014	3 x 0.14	4.30	1.40	2.80
2140040014	4 x 0.14	4.40	1.50	3.20
2140050014	5 x 0.14	4.80	1.80	3.80
2140060014	6 x 0.14	5.00	1.80	4.30
2140070014	7 x 0.14	5.00	2.00	4.90
2140080014	8 x 0.14	6.00	2.20	5.50
2140100014	10 x 0.14	6.20	2.90	6.60
2140120014	12 x 0.14	6.50	3.20	7.80
2140140014	14 x 0.14	7.20	3.70	6.10
2140160014	16 x 0.14	7.10	4.30	9.00
2140180014	18 x 0.14	8.00	5.20	8.40
2140210014	21 x 0.14	8.30	6.20	9.40
2140250014	25 x 0.14	8.50	6.50	15.00
2140300014	30 x 0.14	10.00	9.30	12.50
2140340014	34 x 0.14	10.50	12.10	15.00
2140400014	40 x 0.14	11.00	12.60	15.50
2140020025	2 x 0.25	4.70	1.60	3.20
2140030025	3 x 0.25	4.90	2.10	3.60
2140040025	4 x 0.25	5.10	2.40	4.10
2140050025	5 x 0.25	5.80	2.90	5.10
2140060025	6 x 0.25	6.10	3.00	5.80
2140070025	7 x 0.25	6.20	3.60	6.50
2140080025	8 x 0.25	7.30	4.20	7.30
2140100025	10 x 0.25	7.70	4.60	8.10
2140120025	12 x 0.25	7.80	5.90	10.00
2140140025	14 x 0.25	7.90	5.80	10.00
2140160025	16 x 0.25	8.60	6.40	12.40
2140210025	21 x 0.25	9.50	9.50	13.50
2140250025	25 x 0.25	10.90	11.80	17.00
2140300025	30 x 0.25	11.00	13.00	16.80
2140020034	2 x 0.34	5.10	2.10	3.70
2140030034	3 x 0.34	5.30	2.70	4.90
2140040034	4 x 0.34	5.90	2.80	5.90
2140050034	5 x 0.34	6.40	3.00	6.60
2140060034	6 x 0.34	6.90	4.40	7.90
2140070034	7 x 0.34	7.00	4.80	8.30
2140080034	8 x 0.34	8.00	5.20	9.40
2140100034	10 x 0.34	8.50	7.40	12.90
2140120034	12 x 0.34	8.60	8.00	14.00
2140160034	16 x 0.34	9.50	9.40	16.00
2140250034	25 x 0.34	12.00	13.60	26.00
2140020050	2 x 0.50	5.80	2.90	5.40

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
2140030050	3 x 0.50	6.10	3.80	6.70
2140040050	4 x 0.50	6.50	4.50	7.70
2140050050	5 x 0.50	7.10	5.40	9.00
2140060050	6 x 0.50	7.80	5.90	10.50
2140070050	7 x 0.50	7.90	6.80	11.00
2140080050	8 x 0.50	8.90	7.30	13.50
2140100050	10 x 0.50	9.50	9.00	16.00
2140120050	12 x 0.50	9.80	10.10	18.00
2140180050	18 x 0.50	11.90	13.50	24.00
2140250050	25 x 0.50	13.90	21.10	35.20
2140020075	2 x 0.75	6.20	3.80	6.40
2140030075	3 x 0.75	6.50	4.80	7.60
2140040075	4 x 0.75	7.10	5.80	9.20
2140050075	5 x 0.75	7.70	7.00	11.00
2140070075	7 x 0.75	8.30	9.80	15.60
2140100075	10 x 0.75	10.70	13.10	18.50
2140120075	12 x 0.75	11.00	15.40	22.00
2140180075	18 x 0.75	13.10	19.50	32.70
2140250075	25 x 0.75	15.50	28.00	45.40
2140020100	2 x 1	6.40	4.30	7.20
2140030100	3 x 1	7.00	5.60	9.00
2140040100	4 x 1	7.40	6.80	10.90
2140050100	5 x 1	8.10	7.90	12.60
2140070100	7 x 1	8.80	11.80	17.10
2140100100	10 x 1	11.20	14.00	22.80
2140120100	12 x 1	11.60	17.00	26.00
2140180100	18 x 1	13.50	25.20	38.90
2140250100	25 x 1	16.50	34.00	52.20
2140020150	2 x 1.50	7.60	5.80	9.00
2140030150	3 x 1.50	8.00	7.40	11.50
2140040150	4 x 1.50	8.70	10.80	15.30
2140050150	5 x 1.50	9.40	12.90	17.60
2140070150	7 x 1.50	10.60	16.40	22.00
2140120150	12 x 1.50	13.80	25.40	37.60
2140180150	18 x 1.50	16.50	35.00	52.00
2140250150	25 x 1.50	20.00	55.00	90.50