



## USE OF CABLE

power and control cable for trolley systems, transfer lines, machine-tools, on hoisting devices, lift, crane and container bridges. Also in applications where cables are bended strongly in permanent moving operation in one level. Suitable for dry, humid and wet rooms and for outdoor use.



## SPECIAL FEATURES

- significant smaller bending radius compared to round cables
- notable protection to people and property value
- free from lacquer damaging substances and silicone (during production)
- halogen-free
- LSOH = Low Smoke Zero Halogen

## REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.
- Available accessory you'll find on pages 15.35.XX

## PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE 0295 class 5 resp. IEC 60228 cl. 5
Core insulation:	Special compound
Core identification:	Acc. to VDE 0293-308 up to 5 wires coloured, from 6 wires black with white numerals resp. white with black numerals, with GNYE Cores parallel side by side
Stranding:	LSOH-C: bare copper braid, coverage approx. 85 %
Shield:	Special compound
Outer sheath:	Black
Sheath colour:	Black
Rated voltage:	On 1 mm <sup>2</sup> : U <sub>o</sub> /U 300/500 V; from 1,5 mm <sup>2</sup> : U <sub>o</sub> /U 0,6/1 kV
Testing voltage:	LSOH: 2,5 kV; LSOH-C: c/c 4,0 kV / c/s 1,5 kV
Current-carrying-capacity:	Acc. to DIN VDE, see Technical Guideline
Min. bending radius fixed:	LSOH: 10 x d; LSOH-C: 15 x d
Min. bending radius moved:	LSOH: 10 x d; LSOH-C: 15 x d
Operat. temp. fixed min/max:	-40 °C / +70 °C
Operat. temp. moved min/max:	-25 °C / +70 °C
Temp. at conductor:	+90 °C
Halogen free:	Acc. to IEC 60754-1 и IEC 60754-2
Smoke density:	Acc. to IEC 61034-2
Burning behavior:	Self-extinguishing and flame retardant acc. to IEC 60332-1-2
Suspension height:	Max. 35 m
Standard:	Similar to DIN VDE 0250

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3000734	24 G 1	4,4 X 64,8 - 5,1 X 71,7	230,40	630,00	black	V1: LSOH
3000713	4 G 1,5	5,1 X 14,7 - 5,8 X 16,9	58,00	110,00	black	V1: LSOH
3000715	8 G 1,5	5,1 X 26,8 - 5,8 X 30,5	115,00	220,00	black	V1: LSOH
3000716	12 G 1,5	5,1 X 40,3 - 5,8 X 43,6	175,00	320,00	black	V1: LSOH
3000717	4 G 2,5	5,2 X 17,4 - 6,0 X 19,2	96,00	170,00	black	V1: LSOH
3003375	5 G 2,5	5,2 X 20,9 - 6,0 X 23,3	120,00	220,00	black	V1: LSOH
3000718	8 G 2,5	5,2 X 32,4 - 6,0 X 35,6	192,00	330,00	black	V1: LSOH
3000719	12 G 2,5	5,2 X 48,0 - 6,0 X 52,3	290,00	490,00	black	V1: LSOH
3000720	4 G 4	6,3 X 20,8 - 7,5 X 23,4	154,00	250,00	black	V1: LSOH
3000721	4 G 6	7,4 X 23,2 - 8,1 X 26,6	230,00	330,00	black	V1: LSOH
3000722	4 G 10	9,2 X 28,3 - 10,0 X 30,6	384,00	550,00	black	V1: LSOH

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3000723	4 G 16	10,0 X 32,3 - 11,6 X 36,9	615,00	800,00	black	V1: LSOH
3000971	4 G 25	12,1 X 40,7 - 12,9 X 43,3	960,00	1350,00	black	V1: LSOH
3000724	4 G 35	13,5 X 46,0 - 14,5 X 49,0	1344,00	1800,00	black	V1: LSOH
3000972	4 G 50	17,6 X 55,2 - 18,8 X 58,8	1920,00	2400,00	black	V1: LSOH
3000973	4 G 70	18,0 X 63,0	2700,00	3250,00	black	V1: LSOH
3000744	7 G 1,5	5,9 X 32,2	192,00	355,00	black	V2: LSOH-C
3000743	12 G 1,5	5,1 X 44,8 - 6,0 X 48,2	355,00	576,00	black	V2: LSOH-C
3003357	12 G 2,5	6,0 X 54,0 - 7,0 X 60,0	501,00	823,00	black	V2: LSOH-C
3000733	4 G 6	8,5 X 27,5 - 9,7 X 29,7	305,00	580,00	black	V2: LSOH-C
3000747	4 G 10	10,5 X 32,1	522,00	860,00	black	V2: LSOH-C