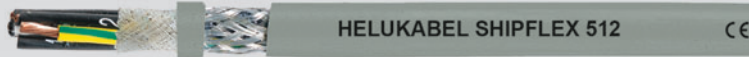


# SHIPFLEX 512 cable for drag chain, halogen-free, EMC preferred type, meter marking



## Technical data

- Special screened drag chain cable
- UL-Style 20234
- **Temperature range**  
flexing -40 °C to +80 °C  
fixed -40 °C to +80 °C
- **Installation temperature**  
minimum -25 °C
- **Nominal voltage**  
UL 1000 V
- **Insulation resistance**  
min. 100 MOhm x km
- **Minimum bending radius**  
for permanent bending  
7,5x cable ø
- **Coupling resistance**  
max. 250 Ohm/km
- **Radiation resistance**  
up to 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)

## Cable structure

- Bare copper, ultra-fine wire conductors  
acc. to DIN VDE 0295 cl. 6, BS 6360 cl. 6, IEC 60228 cl.6
- Special core insulation
- Black cores with continuous white numbering
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal selected lay-length
- Braided screening of tinned copper wires, coverage approx. 85 %, optional aluminium foil under the braid
- **Full polyurethane** outer sheath to UL std. 1581 Tab. 50227
- Sheath colour grey (RAL 7001)
- with meter marking

## Properties

- Flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Halogen free to VDE 0482 part 267/ DIN EN 50267-2-1/ IEC 60754-1 (conforms to DIN VDE 0472 part 815)
- Oil resistant to IEC 60092-350, appendix F
- Behaviour at low temperature at -40 °C to IEC 60092-350, appendix E
- Weather, ozon and UV-resistant
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Application

HELUKABEL® SHIPFLEX 512 is a new developed and successfully tested screened special drag chain cable which meets the requirements of the strict standards for application in offshore-areas. For this two - line standard there is a **Lloyds Register approval**. The outer sheath insulation of non-adhesive Polyurethan allows the application in extremely oily and rough environmental conditions. For applications which go beyond standard solutions we recommend that you fill out our especially developed questionnaire for drag chains. Before installation in cable drag chains please read the installation instructions.

**EMC** = Electromagnetic compatibility

To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No.cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
19864	2 x 0,5	20	6,3	35,0	50,0
19865	3 G 0,5	20	6,5	42,0	60,0
19866	4 G 0,5	20	7,0	47,0	64,0
19867	5 G 0,5	20	7,5	56,0	79,0
19868	7 G 0,5	20	8,5	69,0	101,0
19869	12 G 0,5	20	10,0	108,0	164,0
19870	18 G 0,5	20	11,5	145,0	227,0
19871	25 G 0,5	20	13,5	240,0	331,0
19872	36 G 0,5	20	15,2	318,0	457,0
19873	2 x 0,75	19	7,0	40,0	65,0
19874	3 G 0,75	19	7,2	52,0	71,0
19875	4 G 0,75	19	7,8	60,0	82,0
19876	5 G 0,75	19	8,5	71,0	97,0
19877	7 G 0,75	19	9,6	91,0	141,0
19878	12 G 0,75	19	11,5	142,0	217,0
19879	18 G 0,75	19	13,0	212,0	304,0
19880	25 G 0,75	19	15,8	281,0	420,0
19881	36 G 0,75	19	17,5	350,0	535,0
19882	2 x 1	18	7,4	50,0	69,0
19883	3 G 1	18	7,7	60,0	84,0
19884	4 G 1	18	8,5	71,0	104,0
19885	5 G 1	18	9,0	88,0	130,0
19886	7 G 1	18	10,4	111,0	160,0
19887	12 G 1	18	12,4	184,0	270,0
19888	18 G 1	18	14,3	260,0	391,0
19889	25 G 1	18	17,0	349,0	547,0
19890	36 G 1	18	19,0	510,0	790,0
19891	2 x 1,5	16	8,0	63,0	90,0
19892	3 G 1,5	16	8,3	80,0	109,0
19893	4 G 1,5	16	9,2	97,0	132,0
19894	5 G 1,5	16	10,0	119,0	169,0
19895	7 G 1,5	16	11,6	147,0	219,0

Part no.	No.cores x cross-sec. mm <sup>2</sup>	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
19896	12 G 1,5	16	13,8	267,0	363,0
19897	18 G 1,5	16	16,2	374,0	496,0
19898	25 G 1,5	16	19,0	526,0	724,0
19899	36 G 1,5	16	21,5	702,0	1190,0
19900	2 x 2,5	14	9,5	96,0	136,0
19901	3 G 2,5	14	10,3	144,0	179,0
19902	4 G 2,5	14	11,3	149,0	201,0
19903	5 G 2,5	14	12,4	181,0	232,0
19904	7 G 2,5	14	14,4	255,0	357,0
19905	12 G 2,5	14	17,5	441,0	586,0
19906	18 G 2,5	14	20,3	604,0	1064,0
19907	25 G 2,5	14	24,2	793,0	1411,0
19908	36 G 2,5	14	27,2	1034,0	1623,0
19909	3 G 4	12	11,5	174,0	257,0
19910	4 G 4	12	12,4	230,0	324,0
19911	5 G 4	12	13,5	274,0	401,0
19912	6 G 4	12	15,2	295,0	456,0
19913	7 G 4	12	16,3	316,0	511,0
19914	3 G 6	10	13,5	240,0	343,0
19915	4 G 6	10	15,2	305,0	427,0
19916	5 G 6	10	16,5	442,0	562,0
19917	6 G 6	10	17,8	471,0	628,0
19918	7 G 6	10	19,5	505,0	692,0
19919	3 G 10	8	17,1	367,0	731,0
19920	4 G 10	8	19,0	549,0	992,0
19921	5 G 10	8	20,7	607,0	1014,0
19922	6 G 10	8	22,0	711,0	1241,0
19923	7 G 10	8	24,0	820,0	1491,0
19924	3 G 16	6	19,8	692,0	1004,0
19925	4 G 16	6	21,8	840,0	1296,0
19926	5 G 16	6	24,0	1050,0	1658,0

Dimensions and specifications may be changed without prior notice. (RC02)