



500V, 750V, 1.000V, high flexible



APPLICATION

high flexible single core, in combination with high flexible insulating tube useable in and on mobile equipment and measuring suitable



SPECIAL FEATURES

- superfine stranded copper wire
- low-temperature flexible by very soft special core insulation
- LABS-free (during production)
- 2 versions: HIGHFLEX LIFY measuring core: 1000 V; HIGHFLEX LIFY; up to 1,0mm² 500 V, from 1,5mm² 750 V

PRODUCT DETAILS

DESIGN

Conductor material	bare copper strand
Conductor class	ultra-fine stranded: 0,05; 0,07 or 0,10 mm
Core insulation	PVC
Core identification	single-coloured standard core colours available: green-yellow, black, red, blue

ELECTRICAL PROPERTIES

Rated voltage AC IEC	1.000 V for HIGHFLEX LIFY measuring core; 500 V for HIGHFLEX LIFY highflexible up to 1mm ² and 750 V from 1,5 mm ²
Testing voltage	3 kV
Insulation resistance	min. 20 MΩ x km
Current carrying capacity	acc. to DIN VDE, see Technical Guidelines

MECHANICAL & DYNAMIC PROPERTIES

Min. bending radius fixed	6 x d
Min. bending radius moved	10 x d

THERMAL PROPERTIES

Operat. temp. fixed min./max. [°C]	-30 °C / +70 °C
Operat. temp. moved min/max [°C]	-15 °C / +70 °C

ITEM OVERVIEW

HIGHFLEX-LIFY 500 V

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
0506877	1 X 0,10	1,0	1,0	2,1
0501994	1 X 0,10	1,0	1,0	2,1
0502322	1 X 0,10	1,0	1,0	2,1
0502026	1 X 0,10	1,0	1,0	2,1
0502208	1 X 0,10	1,0	1,2	2,1
0502323	1 X 0,10	1,0	1,0	2,1
0501465	1 X 0,10	1,0	1,0	2,1
0502164	1 X 0,10	1,0	1,0	2,1
0502163	1 X 0,10	1,0	1,0	2,1

HIGHFLEX-LIFY 500 V

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
0506878	1 X 0,14	1,1	1,4	2,6
0502503	1 X 0,14	1,1	1,4	2,6
0502505	1 X 0,14	1,1	1,4	2,6
0502607	1 X 0,14	1,1	1,4	2,6
0501077	1 X 0,14	1,1	1,4	2,6
0502504	1 X 0,14	1,1	1,4	2,6
0502352	1 X 0,14	1,1	1,4	2,6
0502677	1 X 0,14	1,1	1,4	2,6
0506879	1 X 0,25	1,4	2,5	4,2
0502518	1 X 0,25	1,4	2,5	4,2
0502376	1 X 0,25	1,4	2,5	4,2
0501022	1 X 0,25	1,4	2,5	4,2
0501723	1 X 0,25	1,4	2,5	4,2
0501781	1 X 0,25	1,4	2,5	4,2
0501722	1 X 0,25	1,4	2,5	4,2
0500979	1 X 0,25	1,4	2,5	4,2
0502185	1 X 0,25	1,4	2,5	4,2
0506880	1 X 0,50	2,0	5,0	8,0
0502544	1 X 0,50	2,0	5,0	8,0
0502663	1 X 0,50	2,0	5,0	8,0
0507372	1 X 0,50	2,0	5,0	8,0
0501583	1 X 0,50	2,0	5,0	8,0
0500012	1 X 0,50	2,0	5,0	8,0
0501582	1 X 0,50	2,0	5,0	8,0
0502634	1 X 0,50	2,0	5,0	8,0
0502226	1 X 0,50	2,0	5,0	8,0
0506881	1 X 0,75	2,2	8,0	12,0
0502463	1 X 0,75	2,2	8,0	12,0
0500440	1 X 0,75	2,2	8,0	12,0
0500441	1 X 0,75	2,2	8,0	12,0
0502228	1 X 0,75	2,2	8,0	12,0
0500965	1 X 0,75	2,2	8,0	12,0
0502493	1 X 0,75	2,2	8,0	12,0
0502227	1 X 0,75	2,2	8,0	12,0
0501831	1 X 1,00	2,5	10,0	18,0
0500565	1 X 1,00	2,5	10,0	18,0
0501830	1 X 1,00	2,5	10,0	18,0
0501795	1 X 1,00	2,5	10,0	18,0
0501584	1 X 1,00	2,5	10,0	18,0

HIGHFLEX-LIFY 750 V

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
0500443	1 X 1,5	2,9	15,0	22,0
0500444	1 X 1,5	2,9	15,0	22,0
0500631	1 X 1,50	2,9	15,0	22,0
0500445	1 X 1,5	2,9	15,0	22,0
0500449	1 X 2,5	3,8	25,0	37,0
0501388	1 X 2,50	3,8	25,0	37,0
0501389	1 X 2,50	3,8	25,0	37,0
0501390	1 X 2,50	3,8	25,0	37,0
0500450	1 X 2,5	3,8	25,0	37,0
0500451	1 X 2,5	3,8	25,0	37,0
0501527	1 X 2,5	3,8	25,0	37,0
0502554	1 X 4,00	5,0	40,0	50,0
0502541	1 X 4,00	5,0	40,0	50,0
0500967	1 X 4,00	5,0	40,0	50,0
0500453	1 X 4	5,0	40,0	50,0
0500860	1 X 4,00	5,0	40,0	50,0
0502560	1 X 6,00	6,0	60,0	71,0
0500454	1 X 6	6,0	60,0	71,0
0501970	1 X 6,00	6,0	60,0	71,0
0500549	1 X 6	6,0	60,0	71,0
0506827	1 X 6,00	6,0	60,0	71,0
0506883	1 X 10,00	7,5	96,0	130,0
0507255	1 X 10,00	7,5	96,0	130,0
0506882	1 X 10,00	7,5	96,0	130,0
0501836	1 X 10	7,5	96,0	130,0
0506884	1 X 16,00	9,0	154,0	187,0
0506885	1 X 16,00	9,0	154,0	187,0
0506886	1 X 16,00	9,0	154,0	187,0
0506434	1 X 16	9,0	154,0	187,0
0506857	1 X 16,00	9,0	154,0	187,0
0506888	1 X 25,00	10,5	240,0	294,0

HIGHFLEX-LIFY 750 V

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
0503282	1 X 25,00	10,5	240,0	294,0
0506887	1 X 25,00	10,5	240,0	294,0
0500452	1 X 25	10,5	240,0	294,0
0506889	1 X 35,00	12,5	336,0	380,0
0502520	1 X 35,00	12,5	336,0	380,0
0506890	1 X 35,00	12,5	336,0	380,0
0506891	1 X 35	12,5	336,0	380,0
0500009	1 X 35,00	12,5	336,0	380,0
0506895	1 X 50,00	13,8	480,0	521,0
0506893	1 X 50,00	13,8	480,0	521,0
0506894	1 X 50,00	13,8	480,0	521,0
0506892	1 X 50	13,8	480,0	521,0
0506896	1 X 70,00	15,5	672,0	740,0
0506899	1 X 70,00	15,5	672,0	740,0
0506897	1 X 70,00	15,5	672,0	740,0
0506898	1 X 70	15,5	672,0	740,0

HIGHFLEX-LIFY 1.000 V Messader / measuring core

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
0506903	1 X 0,75	4,0	8,0	15,0
0506900	1 X 0,75	4,0	8,0	15,0
0506902	1 X 0,75	4,0	8,0	15,0
0506901	1 X 0,75	4,0	8,0	15,0
0506904	1 X 1,50	4,4	15,0	25,0
0506907	1 X 1,50	4,4	15,0	25,0
0506905	1 X 1,50	4,4	15,0	25,0
0506906	1 X 1,50	4,4	15,0	25,0