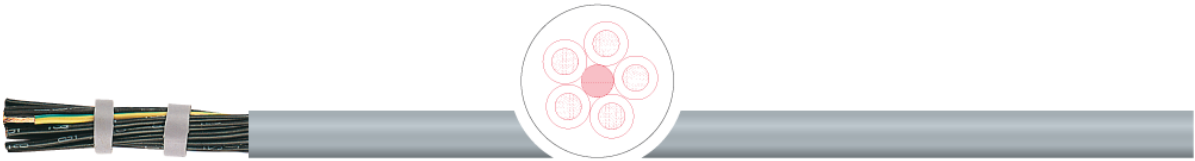


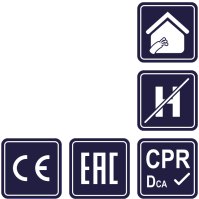


300/500V, unshielded, CPR Dca



APPLICATION

halogen-free and environmentally power, control and connecting cable in electrical facilities, in fire vulnerable areas and facilities with high concentration of people and property values, for fixed laying and flexible applications without tensile stress and without defined cable routing. Suitable for use in dry and humid rooms. Outdoor use only with UV-protection, no laying underground.



SPECIAL FEATURES

- FRNC (Flame Retardant, Non Corrosive)
- LSF 0H (Low smoke in fume, zero halogen)

REMARKS

- RoHS compliant
- Compliant with the 2014/35/EU Directive ("Low Voltage Directive") CE
- LABS-free/silicone-free (during production)
- Special versions e.g. FLAME-JZ/OZ-Hö FRNC with increased oil resistance, other dimensions, cross-sections, core and sheath colors are available on request

PRODUCT DETAILS

DESIGN

Conductor material	bare copper strand
Conductor class	acc. to IEC 60228 cl. 5
Core insulation	special halogen-free compound
Core identification	acc. to DIN VDE 0293 black cores with white numerals; G = with GNYE
Stranding	stranded in layers
Outer sheath material	special halogen-free compound
Sheath colour	grey, RAL 7001

ELECTRICAL PROPERTIES

Rated voltage AC IEC	Uo/U: 300/500 V
Testing voltage	3 kV
Conductor resistance	acc. to IEC 60228 cl. 5
Insulation resistance	min. 20 MΩ x km
Current carrying capacity	acc. to DIN VDE, see technical Guidelines

MECHANICAL & DYNAMIC PROPERTIES

Min. bending radius fixed	4 x d
Min. bending radius moved	15 x d

THERMAL PROPERTIES

Operat. temp. fixed min./max. [°C]	-40 °C / +70 °C
Operat. temp. moved min/max [°C]	-5 °C / +70 °C



PROPERTIES IN CASE OF FIRE

Halogen-free	halogen-free acc. to IEC 60754-1
Smoke density	acc. to IEC 61034-1 and IEC 61034-2
Corrodibility	acc. to IEC 60754-2
Burning behavior	halogen-free and flame-retardant acc. to IEC 60332-1-2 and IEC 60332-3-24 Kat. C
CPR - declared Performance	Dca - s2, d2, a1

STANDARDS & APPROVALS

Standard	similar to EN 50525-2-51
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ITEM OVERVIEW

FLAME-JZ/OZ-H FRNC

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003030	2 X 0,5	5,1	9,6	36,0
1002935	3 G 0,5	5,3	14,4	45,0
1004130	3 X 0,5	5,3	14,4	45,0
1003595	4 G 0,5	5,7	19,2	55,0
1003907	4 X 0,5	5,7	19,2	55,0
1002639	5 G 0,5	6,3	24,0	66,0
1004055	5 X 0,5	6,3	24,0	66,0
1003596	7 G 0,5	6,9	33,6	82,0
1003069	10 G 0,5	8,8	48,0	161,0
1003597	12 G 0,5	9,2	57,6	139,0
1003598	18 G 0,5	11,0	86,4	199,0
1003070	25 G 0,5	13,0	120,0	270,0
1001876	2 X 0,75	5,4	14,4	43,0
1001678	3 G 0,75	5,7	21,6	52,0
1001919	4 G 0,75	6,2	28,8	66,0
1004917	4 X 0,75	6,2	29,0	69,0
1001681	5 G 0,75	6,9	36,0	80,0
1003174	5 X 0,75	6,9	36,0	80,0
1002442	7 G 0,75	7,7	50,4	104,0
1001680	12 G 0,75	10,0	86,4	177,0
1003948	12 X 0,75	10,0	86,4	177,0
1005173	16 G 0,75	11,4	115,2	230,0
1001907	18 G 0,75	12,3	130,0	262,0
1002445	25 G 0,75	14,2	180,0	356,0
1002859	2 X 1	5,9	19,2	50,0
1000760	3 G 1	6,1	28,8	64,0
1001019	3 X 1	6,1	28,8	64,0
1000761	4 G 1	6,7	38,4	79,0
1000764	5 G 1	7,4	48,0	95,0
1005321	6 X 1	8,1	58,0	110,0
1001918	7 G 1	8,2	67,2	123,0
1003519	8 G 1	9,4	76,8	226,0
1004089	10 G 1	10,0	96,0	179,2
1002857	12 G 1	11,0	115,0	209,0
1002786	18 G 1	13,0	173,0	313,0
1005174	18 X 1	13,0	173,0	313,0
1003728	20 G 1	13,5	192,0	476,0
1002860	25 G 1	15,2	240,0	432,0
0500001	34 G 1	17,5	326,0	581,0
1005158	41 G 1	19,5	394,0	581,0
1001926	2 X 1,5	6,3	28,8	68,0
1001683	3 G 1,5	6,7	43,2	84,0
1000762	4 G 1,5	7,5	57,6	108,0
1000765	5 G 1,5	8,2	72,0	126,0
1001094	6 G 1,5	9,2	86,4	152,0
1000766	7 G 1,5	9,2	101,0	161,0
1001097	8 G 1,5	9,9	115,0	182,4
1002613	9 G 1,5	11,9	130,0	310,0
1003908	10 G 1,5	12,1	144,0	272,0
1000758	12 G 1,5	12,1	173,0	298,0
1001012	14 G 1,5	12,7	201,6	450,0
1001695	18 G 1,5	14,5	259,0	402,0



FLAME-JZ/OZ-H FRNC

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1001694	25 G 1,5	17,3	360,0	594,0
1002310	34 G 1,5	19,8	490,0	808,0
1002638	37 G 1,5	20,0	533,0	858,0
1003599	50 G 1,5	24,2	720,0	1.277,0
1003600	61 G 1,5	26,0	878,0	1.460,0
1003601	2 X 2,5	8,0	48,0	110,0
1002637	3 G 2,5	8,3	72,0	131,0
1001682	4 G 2,5	9,3	96,0	167,0
1001693	5 G 2,5	10,2	120,0	204,0
1002708	7 G 2,5	11,4	168,0	262,0
1003189	12 G 2,5	15,3	288,0	475,0
1001853	14 G 2,5	16,9	336,0	640,0
1003232	18 G 2,5	18,2	432,0	692,0
1003602	25 G 2,5	21,6	600,0	952,0
1003603	3 G 4	10,0	115,0	194,0
1000763	4 G 4	11,0	154,0	251,0
1001692	5 G 4	12,3	192,0	331,0
1003233	7 G 4	13,6	269,0	407,0
1003604	12 G 4	18,3	461,0	722,0
1003605	3 G 6	11,7	173,0	303,0
1002698	4 G 6	13,0	230,0	388,0
1002703	5 G 6	14,5	288,0	480,0
1003606	7 G 6	16,0	403,0	626,0
1003607	3 G 10	15,9	288,0	482,0
1002699	4 G 10	16,8	384,0	616,0
1003252	5 G 10	18,7	480,0	766,0
1003859	7 G 10	21,3	672,0	999,0
1002964	4 G 16	20,6	614,0	908,0
1002861	5 G 16	22,5	768,0	1.134,0
1003608	7 G 16	25,2	1.075,0	1.485,0
1002716	4 G 25	25,3	960,0	1.538,0
1003609	5 G 25	27,9	1.200,0	1.911,0
1003185	4 G 35	28,5	1.344,0	2.086,0
1003068	5 G 35	32,3	1.680,0	2.542,0
1003610	4 G 50	34,2	1.920,0	2.746,0
1003611	5 G 50	37,2	2.400,0	3.800,0
1003612	4 G 70	41,2	2.688,0	4.092,0
1003613	5 G 70	46,0	3.360,0	4.900,0
1003250	4 G 95	46,0	3.648,0	5.400,0
1003614	5 G 95	50,5	4.560,0	6.600,0
1003615	4 G 120	50,3	4.608,0	6.994,0