



## USE OF CABLE

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

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)
- special versions e.g. FLAME-JZ/OZ-Hö FRNC with increased oil resistance, other dimensions, core and jacket colours according to your specifications on request

## PRODUCT INFORMATION

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:	Special halogen-free compound
Sheath colour:	Grey, RAL 7001
Rated voltage:	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
Min. bending radius fixed:	4 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	-40 °C / +70 °C
Operat. temp. moved min/max:	-5 °C / +70 °C
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
Standard:	Similar to EN 50525-2-51

## 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
1003030	2 X 0,5	5,1	9,60	36,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002935	3 G 0,5	5,3	14,40	45,00	grey	V0: FLAME-JZ/OZ-H FRNC
1004130	3 X 0,5	5,3	14,40	45,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003595	4 G 0,5	5,7	19,20	55,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003907	4 X 0,5	5,7	19,20	55,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002639	5 G 0,5	6,3	24,00	66,00	grey	V0: FLAME-JZ/OZ-H FRNC
1004055	5 X 0,5	6,3	24,00	66,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003596	7 G 0,5	6,9	33,60	82,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003069	10 G 0,5	8,8	48,00	161,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003597	12 G 0,5	9,2	57,60	139,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003598	18 G 0,5	11,0	86,40	199,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003070	25 G 0,5	13,0	120,00	270,00	grey	V0: FLAME-JZ/OZ-H FRNC

# FLAME-JZ/OZ-H FRNC - Dca

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1001876	2 X 0,75	5,4	14,40	43,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001678	3 G 0,75	5,7	21,60	52,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001919	4 G 0,75	6,2	28,80	66,00	grey	V0: FLAME-JZ/OZ-H FRNC
1004917	4 X 0,75	6,2	29,00	69,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001681	5 G 0,75	6,9	36,00	80,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003174	5 X 0,75	6,9	36,00	80,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002442	7 G 0,75	7,7	50,40	104,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001680	12 G 0,75	10,0	86,40	177,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003948	12 X 0,75	10,0	86,40	177,00	grey	V0: FLAME-JZ/OZ-H FRNC
1005173	16 G 0,75	11,4	115,20	230,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001907	18 G 0,75	12,3	130,00	262,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002445	25 G 0,75	14,2	180,00	356,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002859	2 X 1	5,9	19,20	50,00	grey	V0: FLAME-JZ/OZ-H FRNC
1000760	3 G 1	6,1	28,80	64,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001019	3 X 1	6,1	28,80	64,00	grey	V0: FLAME-JZ/OZ-H FRNC
1000761	4 G 1	6,7	38,40	79,00	grey	V0: FLAME-JZ/OZ-H FRNC
1000764	5 G 1	7,4	48,00	95,00	grey	V0: FLAME-JZ/OZ-H FRNC
1005321	6 X 1	8,1 +/- 0,3	58,00	110,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001918	7 G 1	8,2	67,20	123,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003519	8 G 1	9,4	76,80	226,00	grey	V0: FLAME-JZ/OZ-H FRNC
1004089	10 G 1	10,0	96,00	179,20	grey	V0: FLAME-JZ/OZ-H FRNC
1002857	12 G 1	11,0	115,00	209,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002786	18 G 1	13,0	173,00	313,00	grey	V0: FLAME-JZ/OZ-H FRNC
1005174	18 X 1	13,0	173,00	313,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003728	20 G 1	13,5	192,00	476,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002860	25 G 1	15,2	240,00	432,00	grey	V0: FLAME-JZ/OZ-H FRNC
0500001	34 G 1	17,5	326,00	581,00	grey	V0: FLAME-JZ/OZ-H FRNC
1005158	41 G 1	19,5	394,00	581,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001926	2 X 1,5	6,3	28,80	68,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001683	3 G 1,5	6,7	43,20	84,00	grey	V0: FLAME-JZ/OZ-H FRNC
1000762	4 G 1,5	7,5	57,60	108,00	grey	V0: FLAME-JZ/OZ-H FRNC
1000765	5 G 1,5	8,2	72,00	126,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001094	6 G 1,5	9,2	86,40	152,00	grey	V0: FLAME-JZ/OZ-H FRNC
1000766	7 G 1,5	9,2	101,00	161,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001097	8 G 1,5	9,9	115,00	182,40	grey	V0: FLAME-JZ/OZ-H FRNC
1002613	9 G 1,5	11,9	130,00	310,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003908	10 G 1,5	12,1	144,00	272,00	grey	V0: FLAME-JZ/OZ-H FRNC
1000758	12 G 1,5	12,1	173,00	298,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001012	14 G 1,5	12,7	201,60	450,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001695	18 G 1,5	14,5	259,00	402,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001694	25 G 1,5	17,3	360,00	594,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002310	34 G 1,5	19,8	490,00	808,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002638	37 G 1,5	20,0	533,00	858,00	grey	V0: FLAME-JZ/OZ-H FRNC

# FLAME-JZ/OZ-H FRNC - Dca

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1003599	50 G 1,5	24,2	720,00	1277,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003600	61 G 1,5	26,0	878,00	1460,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003601	2 X 2,5	8,0	48,00	110,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002637	3 G 2,5	8,3	72,00	131,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001682	4 G 2,5	9,3	96,00	167,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001693	5 G 2,5	10,2	120,00	204,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002708	7 G 2,5	11,4	168,00	262,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003189	12 G 2,5	15,3	288,00	475,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001853	14 G 2,5	16,9	336,00	640,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003232	18 G 2,5	18,2	432,00	692,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003602	25 G 2,5	21,6	600,00	952,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003603	3 G 4	10,0	115,00	194,00	grey	V0: FLAME-JZ/OZ-H FRNC
1000763	4 G 4	11,0	154,00	251,00	grey	V0: FLAME-JZ/OZ-H FRNC
1001692	5 G 4	12,3	192,00	331,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003233	7 G 4	13,6	269,00	407,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003604	12 G 4	18,3	461,00	722,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003605	3 G 6	11,7	173,00	303,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002698	4 G 6	13,0	230,00	388,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002703	5 G 6	14,5	288,00	480,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003606	7 G 6	16,0	403,00	626,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003607	3 G 10	15,9	288,00	482,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002699	4 G 10	16,8	384,00	616,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003252	5 G 10	18,7	480,00	766,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003859	7 G 10	21,3	672,00	999,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002964	4 G 16	20,6	614,00	908,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002861	5 G 16	22,5	768,00	1134,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003608	7 G 16	25,2	1075,00	1485,00	grey	V0: FLAME-JZ/OZ-H FRNC
1002716	4 G 25	25,3	960,00	1538,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003609	5 G 25	27,9	1200,00	1911,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003185	4 G 35	28,5	1344,00	2086,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003068	5 G 35	32,3	1680,00	2542,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003610	4 G 50	34,2	1920,00	2746,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003611	5 G 50	37,2	2400,00	3800,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003612	4 G 70	41,2	2688,00	4092,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003613	5 G 70	46,0	3360,00	4900,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003250	4 G 95	46,0	3648,00	5400,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003614	5 G 95	50,5	4560,00	6600,00	grey	V0: FLAME-JZ/OZ-H FRNC
1003615	4 G 120	50,3	4608,00	6994,00	grey	V0: FLAME-JZ/OZ-H FRNC