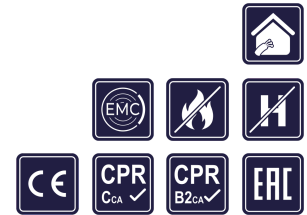




## USE OF CABLE

shielded 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)
- improved behaviour in case of fire (acc. to IEC 60332-3-25 Cat. A)
- recommended for EMC-applications

## REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)

## 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 = GNYE
Stranding:	Stranded in layers
Shield3:	Copper braid tinned; coverage approx. 85 %
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:	6 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	-40 °C / +70 °C
Operat. temp. moved min/max:	-15 °C / +70 °C
Halogen free:	Acc. to IEC 60754-1
Smoke density:	Acc. to 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 Cat. C resp. IEC 60332-3-25 Cat. A
Standard:	Similar to EN 50525-2-51

## ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1005769	2 X 0,5	5,4	36,00	44,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005770	3 G 0,5	5,7	43,00	52,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005771	3 X 0,5	5,7	43,00	52,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005772	4 G 0,5	6,3	49,00	67,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005773	4 X 0,5	6,3	49,00	67,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005774	5 G 0,5	6,9	57,00	79,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005775	5 X 0,5	6,9	57,00	79,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005776	7 G 0,5	7,6	69,00	100,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005777	7 X 0,5	7,6	69,00	100,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005778	12 G 0,5	9,7	104,00	159,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005779	12 X 0,5	9,7	104,00	159,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005780	18 G 0,5	11,4	141,00	223,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca

# FLAME-JZ/OZ-CH FRNC - Cca or B2ca

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1005781	18 X 0,5	11,4	141,00	223,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005782	25 G 0,5	13,3	211,00	291,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005783	25 X 0,5	13,3	211,00	291,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005784	2 X 0,75	6,0	43,00	51,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005785	3 G 0,75	6,3	52,00	68,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005786	3 X 0,75	6,3	52,00	68,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005787	4 G 0,75	6,8	61,00	81,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005788	4 X 0,75	6,8	61,00	81,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005789	5 G 0,75	7,6	72,00	101,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005790	5 X 0,75	7,6	72,00	101,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005791	7 G 0,75	8,2	89,00	122,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005792	7 X 0,75	8,2	89,00	122,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005793	12 G 0,75	10,7	138,00	197,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005794	12 X 0,75	10,7	138,00	197,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005795	18 G 0,75	12,6	211,00	284,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005796	18 X 0,75	12,6	211,00	284,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005797	25 G 0,75	14,9	280,00	392,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005798	2 X 1	6,3	51,00	63,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005799	3 G 1	6,7	62,00	77,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005800	3 X 1	6,7	62,00	77,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005801	4 G 1	7,2	74,00	98,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005802	4 X 1	7,2	74,00	98,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005803	5 G 1	8,0	88,00	117,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005804	5 X 1	8,0	88,00	117,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005805	7 G 1	8,6	112,00	147,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005806	7 X 1	8,6	112,00	147,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005807	12 G 1	11,3	185,00	155,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005808	18 G 1	13,5	268,00	340,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005809	25 G 1	15,7	354,00	464,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005810	2 X 1,5	6,9	65,00	76,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005811	3 G 1,5	7,5	82,00	101,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005812	3 X 1,5	7,5	82,00	101,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005813	4 G 1,5	8,1	100,00	123,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005814	4 X 1,5	8,1	100,00	123,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005815	5 G 1,5	9,0	119,00	153,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005816	5 X 1,5	9,0	119,00	153,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005817	7 G 1,5	9,7	154,00	194,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005818	7 X 1,5	9,7	154,00	194,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005819	12 G 1,5	12,7	268,00	313,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005820	18 G 1,5	15,4	373,00	472,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005821	25 G 1,5	17,8	530,00	620,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005822	2 X 2,5	8,3	96,00	111,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005823	3 G 2,5	9,0	118,00	147,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca

# FLAME-JZ/OZ-CH FRNC - Cca or B2ca

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
1005824	3 X 2,5	9,0	118,00	147,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005825	4 G 2,5	9,7	147,00	187,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005826	5 G 2,5	10,8	176,00	227,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005827	7 G 2,5	11,9	253,00	290,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005828	4 G 4	11,5	248,00	268,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005829	5 G 4	12,7	269,00	332,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005830	4 G 6	13,8	343,00	394,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005831	5 G 6	15,3	441,00	489,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005832	4 G 10	17,1	535,00	614,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005833	5 G 10	19,2	592,00	763,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005834	4 G 16	19,8	800,00	972,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005836	4 G 25	24,5	1075,00	1355,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca
1005837	5 G 25	27,9	1446,00	1799,00	grey	V0: FLAME-JZ/OZ-CH FRNC Cca