



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 mm²] | 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 |

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 |
|-------------|---------------------|--------------|------------------|-------------------|---------------|------------------------|
| 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 |
| 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 |

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 |
|-------------|---------------------|--------------|------------------|-------------------|---------------|------------------------|
| 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 |
| 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 |

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 |
|-------------|---------------------|--------------|------------------|-------------------|---------------|------------------------|
| 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 |

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