

Flexible FRNC cable

H05Z1Z1-F



Application: For connecting of electrical appliances under low mechanical stress in household, kitchen and office.

Construction and technical data:

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|--|---------------------------------------|
| CPR-classification according to EN 50575: | Eca |
| Standard: | DIN EN 50525-3-11 (VDE 0285-525-3-11) |
| Conductor material: | copper, bare |
| Conductor construction: | Class 5 = flexible |
| Insulation: | FRNC compound TI6 |
| Sheathing material: | FRNC-compound TM7 |
| Flame-retardant: | VDE 0482-332-1-2/IEC 60332-1-2 |
| Halogen-free: | DIN EN 50267/IEC 60754 |
| Max. temperature at conductor, °C: | 70 °C |
| Permitted outer cable temperature, fixed, °C: | -40 - +70 °C |
| Permitted outer cable temperature, moved, °C: | -5 - +70 °C |
| Bending radius, fixed installation: | 3 x Ø |
| Bending radius, moving application: | 5 x Ø |



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

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|---------------------------------------|----------------------------------|
| Nominal voltage U₀: | 300 V |
| Nominal voltage U: | 500 V |
| Test voltage: | 2 kV |
| Core identification: | colours acc. to VDE 0293 (HD308) |

| part no. | part name | RI [Ohm/km] | Ø [mm] | Cu | G [kg] |
|----------|-----------|-------------|--------|------|--------|
| 036698 | 2X0.75 WH | 26 | 6.2 | 14.4 | 52 |
| 035101 | 3G0.75 WH | 26 | 6.6 | 22 | 68 |
| 035124 | 3G0.75 BK | 26 | 6.6 | 22 | 68 |
| 036622 | 5G0.75 WH | 26 | 8.3 | 36 | 92 |

| part no. | part name | RI [Ohm/km] | Ø [mm] | Cu | G [kg] |
|----------|-----------|-------------|--------|------|--------|
| 036623 | 3G1 WH | 19.5 | 7.1 | 29 | 71 |
| 035831 | 3G1 BK | 19.5 | 6.9 | 29 | 81 |
| 036624 | 5G1 WH | 19.5 | 8.4 | 48 | 107 |
| 036700 | 2X1.5 WH | 13.3 | 7.3 | 29 | 90 |
| 035198 | 3G1.5 WH | 13.3 | 8.1 | 43.2 | 102 |
| 035304 | 3G1.5 BK | 13.3 | 8.1 | 43.2 | 109 |
| 036625 | 5G1.5 WH | 13.3 | 10 | 72 | 160 |
| 035102 | 3G2.5 WH | 7.98 | 10.1 | 72 | 172 |
| 035103 | 3G2.5 BK | 7.98 | 10.1 | 72 | 172 |
| 035819 | 5G2.5 WH | 7.98 | 12.3 | 120 | 260 |

| | |
|----|------------------------|
| RI | Conductor resistance |
| Ø | outer diameter approx. |
| Cu | Copper weight (GER) |
| G | net weight per 1000 |