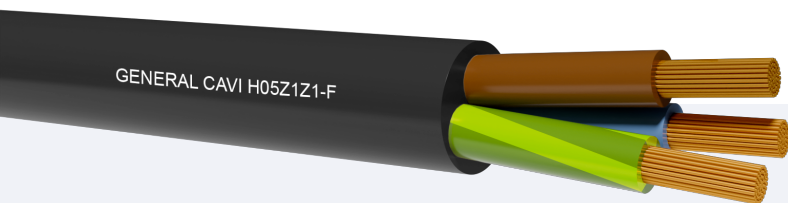


H05Z1Z1-F

Cavi L.S.O.H.

Model Product: 276-277 - 20160412

general
CAVI s.p.a.

Class 5 flexible copper conductor.
Thermoplastic mixture Insulation in TI6 quality.
Thermoplastic sheath in TM7 quality.

STANDARDS

CEI EN 50525-3-11 CEI 20-20/14 (CENELEC HD 21.14 S1)
CEI EN 60332-1-2(CEI 20-35) CEI EN 50267 CEI EN 60684

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 3)

COMMON FEATURES

For inside domestic rooms, kitchen and office use. Suitable for domestic device, also in dry site, AD2. Where cords having a low level of emission of smoke and corrosive gases are required in case of fire or burning. Not suitable for outside permanent use, for industrial and agricultural buildings, and not suitable for industrial tools too. Not recommended for the cabling of fixed installations. It can be used for kitchen and heating device, when the radiation or hot-parts contact risks is non-existent. Particularly suitable for frequent bending and twisting.

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):
Fixed installation D <8 D = 3D <3D 12 = D <20 = 4D D> 20 = 4D
Free Movement D <8 D = 4D <12 = 4D D <D 5D = 20> 20 = 6D
At the entrance to a portable device or a mobile device
mechanical stress with D <8 = 6D D <12 = 6D D <20 = 6D D> 20 = 8D
Festoons eg. gantry crane for D <8 = 6D D <12 = 6D D <20 = 6D D> 20 = 8D
Winding repeated D <8 = 6D D <12 = 6D D <20 = 6D D> 20 = 8D
Diverted to pulley D <8 = 8D D <12 = 8D D <20 = 8D D> 20 = 8D
Maximum pulling stress: 15 N/mm² section of copper dynamic applications,
for fixed 50 N/mm²

PACKING

100mt. rings in thermoplastic film or drums to agree.

FLEXIBLE CABLES (CORDS) INSULATED AND SHEATHED
WITH HALOGEN-FREE L.S.O.H. THERMOPLASTIC
COMPOUNDS

Nominal voltage U0: 300 V

Nominal voltage U: 500 V

Test voltage: 2000 V

Maximum operating temperature: +60°C

Maximum short circuit temperature: +150°C

Minimum installation and laying temperature: +5°C

Min. operating temperature (without mechanical shocks): -10°C

Minimum installation and laying temperature: +5°C

CORE COLOURS

Two cores: blue-brown

Three cores: Brown - Black - Gray (o Y/G, Blue and Brown)

Four cores: blue-brown-black-gray (or Y/G instead blue)

Five cores: Y/G-blue-brown-black-gray (or black instead Y/G)

SHEATH COLOUR

Black

INK MARKING

GENERAL CAVI - IEMMEQU <HAR> - H05Z1Z1-F - year



H05Z1Z1-F

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| Cores number (N°) | Cross section (mm²) | Approx conductor diameter (mm) | Insulation medium thickness (mm) | External diameter | | Approx cable weight (kg/km) | Electric resistance at 20°C (Ohm/km) | Current carrying capacities |
|----------------------|------------------------|-----------------------------------|-------------------------------------|-------------------|-----------------|--------------------------------|---|-----------------------------|
| | | | | Minimum (mm) | maximum (mm) | | | 30°C Mobile Service (A) |
| Two cores | | | | | | | | |
| 2x | 0.75 | 1.1 | 0.6 | 5.7 | 7.2 | 53 | 26.0 | 6 |
| 2x | 1 | 1.3 | 0.6 | 5.9 | 7.5 | 61 | 19.5 | 12.5 |
| 2x | 1.5 | 1.6 | 0.7 | 6.8 | 8.6 | 81 | 13.3 | 17 |
| 2x | 2.5 | 2 | 0.8 | 8.4 | 10.6 | 125 | 7.98 | 22.5 |
| Three cores | | | | | | | | |
| 3G | 0.75 | 1.1 | 0.6 | 6.0 | 7.6 | 63 | 26.0 | 30 |
| 3G | 1 | 1.3 | 0.6 | 6.3 | 8.0 | 73 | 19.5 | 10 |
| 3G | 1.5 | 1.6 | 0.7 | 7.4 | 9.4 | 100 | 13.3 | 12.5 |
| 3G | 2.5 | 2 | 0.8 | 9.2 | 11.4 | 157 | 7.98 | 17 |
| Four cores | | | | | | | | |
| 4G | 0.75 | 1.1 | 0.6 | 6.6 | 8.3 | 76 | 26.0 | 22.5 |
| 4G | 1 | 1.3 | 0.6 | 7.1 | 9.0 | 91 | 19.5 | 30 |
| 4G | 1.5 | 1.6 | 0.7 | 8.4 | 10.5 | 127 | 13.3 | 40 |
| 4G | 2.5 | 2 | 0.8 | 10.1 | 12.5 | 191 | 7.98 | 12.5 |
| Five cores | | | | | | | | |
| 5G | 0.75 | 3.4 | 0.6 | 7.4 | 9.3 | 96 | 26.0 | 17 |
| 5G | 1 | 1.3 | 0.6 | 7.8 | 9.8 | 110 | 19.5 | 22.5 |
| 5G | 1.5 | 1.6 | 0.7 | 9.3 | 11.6 | 160 | 13.3 | 30 |
| 5G | 2.5 | 2 | 0.8 | 11.2 | 13.9 | 238 | 7.98 | 40 |

Minimum order quantity