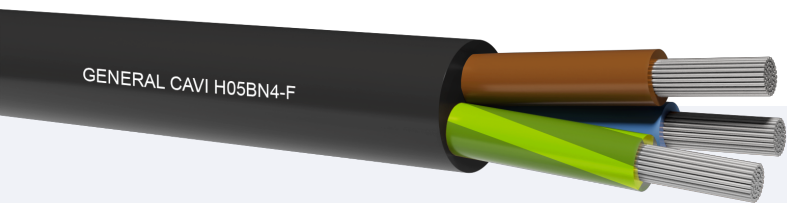


HARMONIZED

H05BN4-F

Model Product: 274-275 - 20160412



Flexible conductor bare or tinned copper, class 5.
Special EI7 compounds insulation.
Special compounds sheath, EM7.

STANDARDS

CEI EN 50525-2-21 CEI 20-107/2-21 CEI 20-19/12
(CENELEC HD 22.12 S2) BS 7919 NF C 32-102-12 VDE
0282-12

CEI EN60332-1-2 (CEI 20-35) BS EN 60332-1-2 NF EN
60332-1-2 DIN EN 60332-1-2

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

COMMON FEATURES

For general use in domestic premises, kitchens and office and for supplying appliance where the cables are subjected to low mechanical stresses (eg cooking appliance, soldering irons, toaster). Unsuitable for permanent outdoor use, agricultural and industrial use and also for not domestic tools supply, except when built with black appropriate tested sheath or when the constructor provide suitable alternative protection. The maximum conductor temperature in normal use: 90°C. While high temperature use, skin contact must be avoided.

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):

Fixed installation $D < 8 = 3D$ $D < 12 = 3D$

Free Movement $D < 8 = 4D$ $D < 12 = 4D$

At the entrance to a portable device or a mobile device

mechanical stress with $D < 8 = 6D$ $D < 12 = 6D$

Festoons eg. gantry crane for $D < 8 = 6D$ $D < 12 = 6D$

Winding repeated $D < 8 = 6D$ $D < 12 = 6D$

Diverted to pulley $D < 8 = 8D$ $D < 12 = 8D$

Maximum pulling stress: 15 N/mm² section of copper dynamic applications,
for fixed 50 N/mm²

PACKING

100mt. ring in thermoplastic film. Drums to agree.

HEAVY HEAT RESISTANT CSP OR OTHER EQUIVALENT
SYNTHETIC ELASTOMER SHEATHED CABLES FOR
MAXIMUM CONDUCTOR TEMPERATURE OF 90°C

Nominal voltage U0: 300 V

Nominal voltage U: 500 V

Test voltage: 2000 V

Maximum operating temperature: +90°C

Maximum short circuit temperature: +250°C

Minimum installation and laying temperature: -20°C

Min. operating temperature (without mechanical shocks): -35°C

CORE COLOURS

Two cores: blue-brown

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

SHEATH COLOUR

Black

INK MARKING

year GENERAL CAVI - IEMMEQU <HAR> - H05BN4-F

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Conductor Number	Cross section	Maximum conductor diameter	Insulation thickness	External diameter		Electric resistance at 20°C	Approx cable weight	Current carrying capacities in air 30°C
				Minimum	maximum			
(N°)	(mm²)	(mm)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)
Two cores								
2x	0.75	0.95	0.6	5.7	7.4	26.0	44	6
2x	1	1.30	0.6	6.1	8.0	19.5	55	10
Three cores								
3G	0.75	0.95	0.6	6.2	8.1	26.0	60	6
3G	1	1.30	0.6	6.5	8.5	19.5	72	10

The admissible current is suitable for the most cases. Further information must be searched for unusual case, like high temperature ambient (more than 30°C) or very long cable wire or insufficient ventilation.