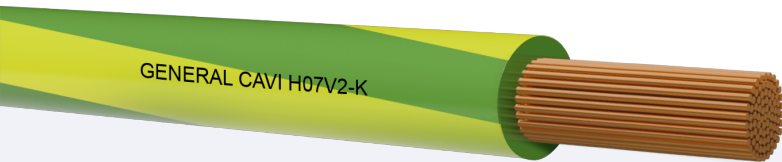


H07V2-K

Model Product: 227 - 20160412

general
CAVI s.p.a.



Class 5 flexible copper conductor.
PVC insulation TI3 quality.

STANDARDS

CEI 20-20/7 (CENELEC HD 21.7 S2) BS 6004:2000 NF C 32-201-7 VDE 0281-7
CEI EN 60332-1-2(CEI 20-35/1-2) BS EN 60332-1-2 NF EN 60332-1-2 DIN EN 60332-1-2 (IEC 60227-3)

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

COMMON FEATURES

Fixed protected installation inside appliances and in, or on, lighting fittings or controlgear for voltages up to 1000V a.c. or up to 750V d.c. to ground. Suitable for installation in surface mounted or embedded conduits, only for signalling and control circuits. Maximum conductor temperature in normal use 90°C. Not to be used in contact with object higher than 85°C. Not suitable for fixed distribution system, except where limited to a maximum conductor temperature of 70°C.

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):
Fixed lay: $D < 8 = 3D$ $D < 12 = 3D$ $D > 12 = 4D$
Curve near terminal: $D < 8 = 2D$ $D < 12 = 3D$ $D > 12 = 4D$
Maximum pulling stress: 50 N/mm²

PACKING

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

FLEXIBLE CABLES WITHOUT SHEATH FOR SPECIAL 90°C
INDOOR WIRING

Nominal voltage U₀: 450 V

Nominal voltage U: 750 V

Maximum operating temperature: +90°C

Maximum short circuit temperature: +160°C

Minimum installation and laying temperature: +5°C

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

CORE COLOURS

Single core: Black, light blue, brown, grey, orange, pink, red, turquoise, violet, white, Y/G.

INK MARKING

GENERAL CAVI - IEMMEQU <HAR> - H07V2-K - year

NOTE

Maximum storage temperature: +40°C

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Cores number	Cross section	Approx cond. diameter	Insulation medium thickness	Approx external production diameter	Elettric Resistace 20°C	Approx cable weight	Current carrying capacities 30°C
(N°)	(mmq)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)
Single core							
1x	1.5	1.5	0.7	3.1	13.3	21	16
1x	2.5	2.0	0.8	3.75	7.98	33	20
1x	4	2.5	0.8	4.4	4.95	48	25
1x	6	3.0	0.8	4.9	3.30	66	48
1x	10	4.0	1.0	6.4	1.91	112	66
1x	16	5.0	1.0	7.4	1.21	167	88
1x	25	6.2	1.2	9.1	0.78	254	117
1x	35	7.4	1.2	10.35	0.554	340	144