

H07V2-R

Model Product: 461 - 20160412

general
CAVI s.p.a.



Rigid class 2 red copper conductor.
PVC insulation TI3 quality.

STANDARDS

CEI 20-20/7(CENELEC HD 21.7 S3), 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: $D < 8 \leq 4D$ $D < 12 \leq 5D$ $D > 12 \leq 6D$
Curve near terminal: $D < 8 \leq 2D$ $D < 12 \leq 3D$ $D > 12 \leq 4D$
Maximum pulling stress: 50 N/mm²

PACKING

100mt. rings in thermoplastic film or cardboard packagings

RIGID CABLES WITHOUT SHEATH FOR SPECIAL 90°C
INDOOR WIRING

Nominal voltage U0: 450 V

Nominal voltage U: 750 V

Test voltage: 2500 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.

MARKING ENGRAVING

GENERAL CAVI - IEMMEQU <HAR> - year

NOTE

Maximum storage temperature: +40°C.

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Conductor Number	Nominal Section	Approx cond. diameter	Approx external production diameter	Electric Resistance 20°C	Approx cable weight	Current carrying capacities 30°C
(N°)	(mmq)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)
Single core						
1x	1.5	1.7	3.1	12.1	21	16
1x	2.5	2.2	3.75	7.41	33	20
1x	4	2.7	4.4	4.61	48	25
1x	6	3.3	4.9	3.08	66	48
1x	10	4.2	6.4	1.83	112	66
1x	16	5.3	7.4	1.15	167	88
1x	25	6.6	9.1	0.727	254	117
1x	35	7.9	10.35	0.524	340	144