

H07V-R

CPR Eca

Model Product: 201 - 20230213

general
CAVI s.p.a.

Rigid class 2 red copper conductor.
PVC insulation in T11 quality

STANDARDS

CEI EN 50525-2-31 CEI 20-20/3(CENELEC HD 21.3 S3), BS EN 50525-2-31 ,NF C 32-201-3 ,DIN VDE 0285-525-2-31 EN 50575:2014 + EN 50575/A1:2016(IEC 60332-1-2)(IEC 60227-3)

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

COMMON FEATURES

It must be laid inside pipes at sight, embedded or closed systems. Allowed for fixed and protected installation, upon or into illumination sets for voltage up to 1000V AC or 750V DC to ground. Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):
Fixed lay: $D < 8 = 4D$ $D < 12 = 5D$ $D > 12 = 6D$
Curve near terminal: $D < 8 = 2D$ $D < 12 = 3D$ $D > 12 = 4D$
Maximum pulling stress: 50 N/mm²

PACKING

100mt. rings in thermoplastic film or cardboard packagings

RIGID SINGLE CORE CABLES WITHOUT SHEATH FOR
GENERAL PURPOSE

Nominal voltage U0: 450 V

Nominal voltage U: 750 V

Test voltage: 2500 V

Maximum operating temperature: +70°C

Maximum short circuit temperature for sections up to 240mm²: +160°C

Maximum short circuit temperature for sections over 240mm²: +140°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, touquoise, violet, white, Y/G.

MARKING ENGRAVING

GENERAL CAVI - IEMMEQU <HAR>-Eca - year

NOTE

Maximum storage temperature: +40°C.



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Cores number	Cross section	Approx conductor diameter	Insulation medium thickness	Approx external production diameter	Approx cable weight	Electric resistance at 20°C	Current carrying capacities in air 30°C
(N°)	(mm²)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)
Single core							
1x	1.5	1.6	0.7	3.1	21	12.1	16
1x	2.5	2	0.8	3.75	33	7.41	21
1x	4	2.4	0.8	4.4	48	4.61	25
1x	6	3.1	0.8	4.9	66	3.08	36
1x	10	4.0	1	6.4	112	1.83	50
1x	16	4.8	1	7.4	167	1.15	68
1x	25	6.0	1.2	9.1	254	0.727	89
1x	35	7.0	1.2	10.35	340	0.524	110
1x	50	8.1	1.4	12.4	485	0.387	134
1x	70	9.7	1.4	13.6	674	0.268	171
1x	95	11.4	1.6	15.8	894	0.193	207
1x	120	13.1	1.6	17.4	1110	0.153	239
1x	150	14.6	1.8	19.8	1400	0.124	275
1x	185	16.5	2	21.6	1700	0.0991	314
1x	240	18.5	2.2	24.6	2230	0.0754	369
1x	300	21	2.4	27.7	2640	0.0601	425
1x	400	23.4	2.6	31.4	3240	0.0470	511

Current carrying capacities are calculated on a single circuit with 3 loaded conductors. Lay type: CEI 64-8 Tab 52.C (3-5-31-32-33-33-18)