

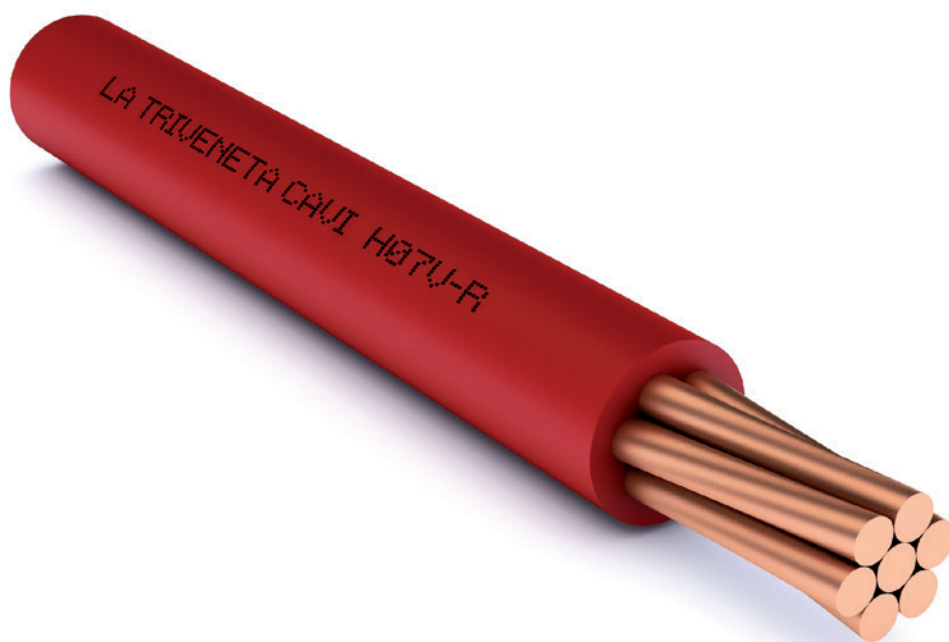
H07V-R

Construction: BS EN 50525-2-31

Flame propagation: BS EN 60332-1-2

Low Voltage Directive: 2006/95/EC

RoHS Directive: 2011/65/EC



Description

- Conductor: plain copper, stranded wire, class 2
- Insulation: PVC, T11 quality
- Colour: black, blue, brown, grey, orange, pink, red, light blue, violet, white, green/yellow

Functional characteristics

- Rated voltage: Uo/U 450/750 V
- Max. operating temperature: 70°C
- Min. operating temperature: -10°C (without mechanical shocks)
- Max. short circuit temperature: 160°C

Special features

Good sliding properties in pipes, good abrasion resistance, easy stripping.

Installation conditions

- Minimum installation temperature: 5°C
- Recommended minimum bending radius: 6 times the cable diameter
- Recommended maximum tensile stress: 50 N/mm² of the cross-section of the copper

Use and installation method

Fitted inside pipes or ducts, including metal, either visible or recessed, or similar closed systems, but only inside buildings. Suitable for static, protected use inside lighting equipment or inside switching or control equipment, for alternating current up to 1000 V or direct current up to 750 V to ground.

(CEI 20-40, HD 516)

Formation	Approx. conductor Ø	Average insulation thickness	Max. external Ø	Max. electrical resistance at 20°C	Approx. cable weight	Current rating in pipe in air at 30°C
n° x mm ²	mm	mm	mm	Ω/km	kg/km	A
1 x 1,5	1,6	0,7	3,3	12,1	22	16
1 x 2,5	2,0	0,8	4,0	7,41	33	20
1 x 4	2,4	0,8	4,6	4,61	49	25
1 x 6	3,1	0,8	5,2	3,08	69	36
1 x 10	4,0	1,0	6,7	1,83	113	50
1 x 16	4,8	1,0	7,8	1,15	170	68
1 x 25	6,0	1,2	9,7	0,727	268	89
1 x 35	7,0	1,2	10,9	0,524	360	110
1 x 50	8,1	1,4	12,8	0,387	488	134
1 x 70	9,7	1,4	14,6	0,268	684	171
1 x 95	11,4	1,6	17,1	0,193	952	207
1 x 120	13,1	1,6	18,8	0,153	1200	239
1 x 150	14,6	1,8	20,9	0,124	1480	275
1 x 185	16,5	2,0	23,3	0,0991	1855	314
1 x 240	18,5	2,2	26,6	0,0754	2400	369
1 x 300	21,0	2,4	29,6	0,0601	2950	425
1 x 400	23,4	2,6	33,2	0,0470	3740	511

N.B. Permissible current rating values are according to three-phase circuit