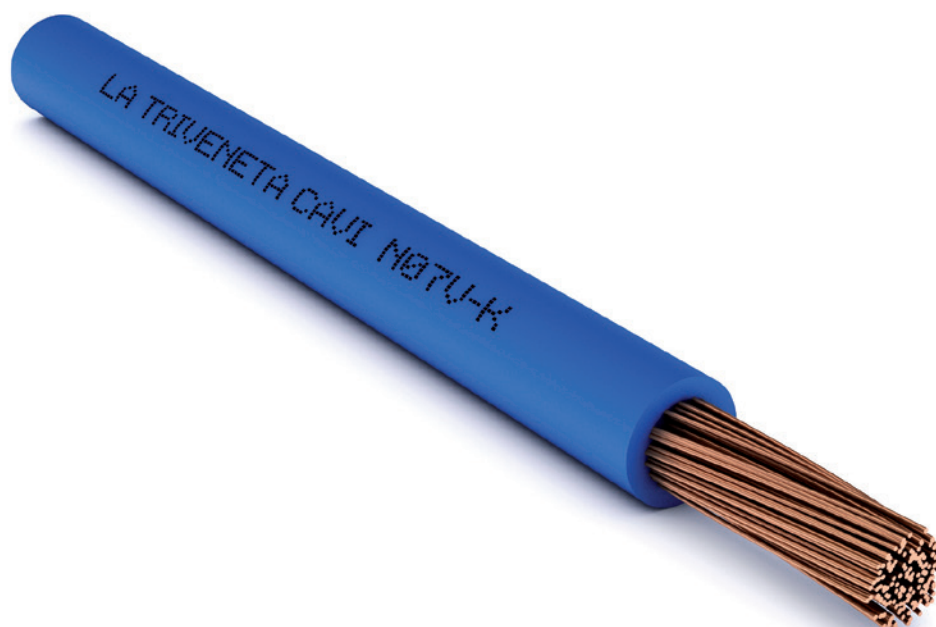


N07V-K

Construction:	CEI UNEL 35752
Fire propagation:	CEI 20-22 II
Flame propagation:	EN 60332-1-2
Corrosive gases or halogens:	EN 50267-2-1
Low Voltage Directive:	2014/35/EU
RoHS Directive:	2011/65/EU



Description

- Conductor: class 5, flexible, plain copper wire
- Insulation: PVC, R2 quality
- Colour: black, blue, brown, grey, orange, pink, red, light blue, violet, white, green/yellow.

Functional characteristics

- Rated voltage U_0/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: 4 times the cable diameter
- Recommended maximum tensile stress: 50 N/mm² of the cross-section of the copper

Marking

N07V-K [formation] LA TRIVENETA CAVI IEMMEQU CEI 20-22 II [year]

Use and installation method

Reference Guide CEI 20-40:

For environments with fire risk. Fitted inside pipes or ducts, either visible or recessed, or similar closed system, 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. The cross-section of 1mm² is only required for electric circuits of lift and hoists or for internal connection of switchboards for signalling and control. For installations where there is a risk of fire the maximum operating temperature must not exceed 55°C. Not suitable for outside.

N.B. For applications not covered by Regulation EU 305/2011.

Formation	Approx. conductor Ø	Average insulation thickness	Max. external Ø	Max. electrical resistance at 20°C	Approx. cable weight	Current rating in air at 30°C A	
n° x mm ²	mm	mm	mm	Ω/km	kg/km	in pipe	in open channel
1 x 1	1,3	0,7	3,0	19,5	14	12	-
1 x 1,5	1,5	0,7	3,4	13,3	19	15,5	-
1 x 2,5	2,0	0,8	4,1	7,98	30	21	-
1 x 4	2,5	0,8	4,8	4,95	44	28	-
1 x 6	3,0	0,8	5,3	3,30	62	36	-
1 x 10	4,0	1,0	6,8	1,91	105	50	57
1 x 16	5,0	1,0	8,7	1,21	160	68	76
1 x 25	6,2	1,2	10,2	0,780	240	89	101
1 x 35	7,4	1,2	11,7	0,554	335	110	125
1 x 50	8,9	1,4	13,9	0,386	470	134	151
1 x 70	10,5	1,4	16,0	0,272	660	171	192
1 x 95	12,2	1,6	18,2	0,206	870	207	232
1 x 120	13,8	1,6	20,2	0,161	1095	239	269
1 x 150	15,4	1,8	22,5	0,129	1365	275	309
1 x 185	16,9	2,0	24,9	0,106	1670	314	353
1 x 240	19,5	2,2	28,4	0,0801	2200	369	415

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