

Flame-retardant PVC flexible single core cable

CEI EN 50525-2-31
CEI UNEL 35747
EN 50525-2-31
Low voltage directive 2006/95/CE
RoHS 2011/65/CE directive

IEMMEQU ◁ HAR ▷



H07V-K

Construction features

Red copper flexible conductor; PVC insulation in TI1 quality

Marking

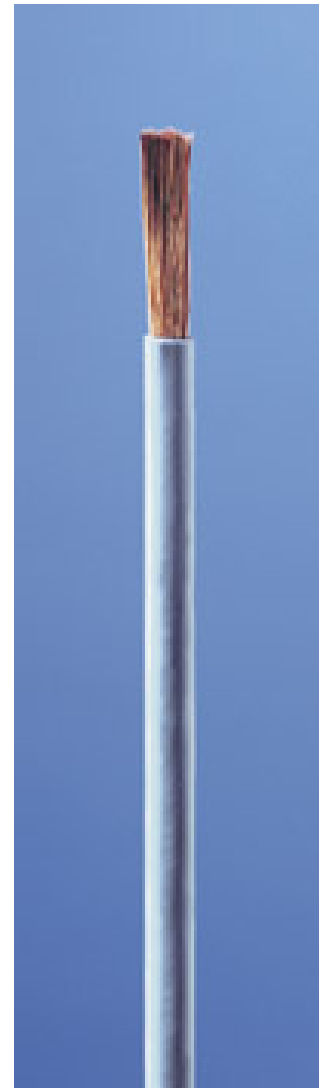
Embossing on the insulator:
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Application

Suitable for fixed installation in pipes or ducts or into illumination or inside of switching apparatuses and control up to 1000 V AC or 750 V DC to ground.
NOT SUITABLE FOR EXTERNAL LAYING

Warning

Capacities are calculated on a conductor of 3-4 cables with only 3 active conductors.



Nominal voltage:
 $U_0/U = 450/750V$



Minimum bending radius:
 4 x external diameter



Operating temperature:
 70° C



Tractive effort in laying:
 50 N/mm² of copper section
 maximum



Short circuit temperature:
 160° C



Laying temperature:
 5° C minimum

Number of cores and nominal cross sectional area n° x mm ²	Maximum wires diameter mm	Average Insulator thickness mm	Maximum external diameter mm	Cable approximate weight kg / km	Maximum resistance at 20° C Ohm / km	Current capacity at 30° C (A)	
						Open conduit	In air or pipe
1 x 1,5	0,26	0,70	3,4	19,1	13,3	17,5	15,5
1 x 2,5	0,26	0,80	4,1	30,2	7,98	24	21
1 x 4,0	0,31	0,80	4,8	44,2	4,95	32	28
1 x 6,0	0,31	0,80	5,3	61,9	3,30	41	36
1 x 10	0,41	1,00	6,8	105	1,91	57	50
1 x 16	0,41	1,00	8,1	158	1,21	76	68
1 x 25	0,41	1,20	10,2	245	0,780	101	89
1 x 35	0,41	1,20	11,7	336	0,554	125	111
1 x 50	0,41	1,40	13,9	480	0,386	151	134
1 x 70	0,51	1,40	16,0	697	0,272	192	171
1 x 95	0,51	1,60	18,2	920	0,206	232	207
1 x 120	0,51	1,60	20,2	1140	0,161	269	239
1 x 150	0,51	1,80	22,5	1435	0,129	309	275
1 x 185	0,51	2,00	24,9	1750	0,106	353	314
1 x 240	0,51	2,20	28,4	2280	0,0801	415	369