



# H07V-K

Low voltage PVC insulated flexible conductor

## APPLICATION

For laying in pipes on top of or under plaster and in closed installation ducts and for internal wiring of machinery, switchgear and distributor systems. The cable is not suitable for direct laying under plaster.

## TECHNICAL CHARACTERISTICS

CPR class: Eca  
 Test voltage: 2,5 kV  
 Rated voltage: 450/750 V  
 Bending radius (min): 8D, once bent: 3D  
 Min. laying temperature: -5°C  
 Ambience temp. range: -35°C to 35°C  
 Max. conductor temperature: 70°C  
 Max. short-circuit temperature: 160°C

## CONSTRUCTION

Conductors: Cu rope, class 5 acc. to EN 60228  
 Insulation: PVC compound

## STANDARD

EN 50525-2-31, IEC 60227-3,  
 JUS N.C3.202

## CORE IDENTIFICATION

According to EN 50525-1

Insulation colors:

● Black ● Blue ● Brown ● Grey ● Orange ● Pink  
 ● Red ● Turquoise ● Violet ● White ● Green/Yellow

## CERTIFICATION



NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR AT 30°C	INSULATION THICKNESS	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm <sup>2</sup>	Ω/km	A	mm	mm	kg/km	kg/km
1x0,75	26,0	6	0,6	2,3	7,2	12,1
1x1,0	19,5	10	0,6	2,4	9,6	14,8
1x1,5	13,3	17,5	0,7	3,0	14,4	21,5
1x2,5	7,98	24	0,8	3,6	24,0	34,0
1x4	4,95	32	0,8	4,2	38,4	50,3
1x6	3,30	41	0,8	4,7	57,6	71,4
1x10	1,910	57	1,0	6,1	96,0	118,1
1x16	1,210	76	1,0	7,2	153,6	180,0
1x25	0,780	101	1,2	8,4	240,0	279,2
1x35	0,554	125	1,2	9,5	336,0	381,5
1x50	0,386	151	1,4	11,3	480,0	543,2
1x70	0,272	192	1,4	12,6	672,0	744,6
1x95	0,206	232	1,6	14,7	912,0	1008,9
1x120	0,161	269	1,6	16,2	1152,0	1259,6
1x150	0,129	300	1,8	18,1	1440,0	1574,9
1x185	0,106	341	2,0	20,2	1776,0	1942,2
1x240	0,0801	400	2,2	22,9	2304,0	2512,2

