

(H)07V-K 600/1000V PVC Insulated Single Core for a variety of application



Application

This cable is suitable for permanent installation in conduit and as wiring of switchboard cabinet.

Construction

- Bare copper conductor, fine wire stranded to
- IEC-60228 class 5
- PVC insulated to IEC-60227
- Available in various colours

Electrical and Technical Data

Working Voltage U ₀ /U	600/1000V
Test Voltage	2500V
Min. Bending Radius	4 x cable diameter
Working Temperature	-5°C to +70°C
Flame Retardancy	IEC-60332-1

Nom. Cross Section Area	Overall Diameter (approx.)	Cable Weight (approx.)	DC Resistance at 20°C Conductor (max.)	Ω Insulation Thickness	Current - Carrying Capacity at 30°C (in air) (max.)	Conductor Make-up	Short circuit current at 1 sec (max.)
(mm ²)	(mm)	(kg/km)	(Ω/km)	(mm)	(A)	(No. of Wires x diameter)	(A)
1.5	3.1	21.6	13.30	0.7	24	30 x 0.25	173
2.5	3.7	32	7.980	0.8	32	50 x 0.25	288
4	4.3	49.5	4.950	0.8	41	56 x 0.30	460
6	4.9	69	3.300	0.8	53	84 x 0.30	690
10	6.3	116	1.410	1	72	80 x 0.40	1150
16	7.4	175	1.210	1	97	126 x 0.40	1840
25	9.1	270	0.780	1.2	128	196 x 0.40	2875
35	10.5	371	0.554	1.2	156	276 x 0.40	4025
50	12.4	527	0.386	1.4	195	396 x 0.40	5750
70	14.1	716	0.272	1.4	243	360 x 0.50	8050
95	16.3	969	0.206	1.6	285	475 x 0.50	10925
120	17.9	1208	0.161	1.6	342	608 x 0.50	13800
150	20	1508	0.129	1.8	386	756 x 0.50	17250
185	22.2	1860	0.106	2	441	925 x 0.50	21275
240	25.1	2403	0.0801	2.2	520	1221 x 0.50	27600
300	28	3003	0.0641	2.4	605	1530 x 0.50	34500
400	32	3972	0.0486	2.6	725	2035 x 0.50	41200