



SINGLE CORE PVC INSULATED BUILDING WIRES AS PER IEC



Application

H05V-R/H05V-V, H07V-R/H07V-U is suitable for power and lighting circuits and building wiring.

Reference Standards:

BS 6004, IEC 60227

Conductor:

H07V-R: Class 2 stranded plain copper conductors to BS EN 60228 H07V-U: Class 1 solid plain copper conductor to BS EN 60228:2005

Insulation:

PVC (Polyvinyl Chloride)

Insulation Colour:

Red, Black, Blue, Yellow, Brown, White, Green/ Yellow, Grey

Voltage Rating:

450/750V

Temperature Rating:

0°C to +70°C

Harmonised Code:

Upto 1.00 mm² solid wire H05V-U
1.5 mm² and 2.5 mm² solid wire H07V-U
1.5 mm² and 240 mm² stranded wire H07V-R

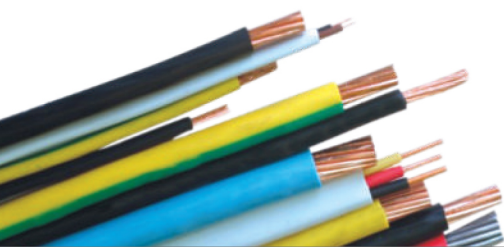
PVC-insulated single wires: single strand for fixed installation

Designation Cross-section (mm ²)	Conductor design nominal value (n x Ø mm)	Insulation wall thickness nominal value (mm)	Outer diameter nominal value (mm)	Rated voltage U ₀ / U (V)
H05V-U 0.5	1 x 0.80	0.6	2.0	300/500
H05V-U 0.75	1 x 0.98	0.6	2.2	300/500
H05V-U 1.0	1 x 1.13	0.6	2.4	300/500
H07V-U 1.5	1 x 1.38	0.7	2.8	450/750
H07V-U 2.5	1 x 1.78	0.8	3.4	450/750

PVC-insulated single wires: multistrand for fixed installation

H05V-R 0.5	7 x 0.30	0.6	2.1	300/500
H05V-R 0.75	7 x 0.37	0.6	2.3	300/500
H05V-R 1.0	7 x 0.43	0.6	2.5	300/500
H07V-R 1.5	7 x 0.52	0.7	2.8	450/750
H07V-R 2.5	7 x 0.66	0.8	3.4	450/750

Maximum size upto 240 mm²



SRK Impex

Tel/fax : +91 22 21731008 | Mob : +91 98204 51599, +91 93737 51599 | email : srk@srkimpex.co.in | skype : srk.srkimpex
Address : F8 Niharika Plaza, Gladys Alwares Road, Off Pokhran Road No.2, Thane west - 400610. India



PVC-insulated single core wires: fine wire for flexible installation

Designation Cross-section (mm ²)	Conductor design nominal value (n x Ø mm)	Insulation wall thickness nominal value (mm)	Outer diameter nominal value (mm)	Rated voltage U ₀ / U (V)
H05V-K 0.5	15 x 0.20	0.6	2.2	300/500
H05V-K 0.75	22 x 0.20	0.6	2.4	300/500
H05V-K 1.0	29 x 0.20	0.6	2.5	300/500
H07V-K 1.5	28 x 0.25	0.7	3.0	450/750
H07V-K 2.5	45 x 0.25	0.8	3.6	450/750
H07V-K 4.0	51 x 0.30	0.8	4.2	450/750
H07V-K 6.0	77 x 0.30	0.8	4.6	450/750
H07V-K 10.0	76 x 0.40	1.0	6.2	450/750
H07V-K 16.0	119 x 0.40	1.0	7.1	450/750
H07V-K 25.0	182 x 0.40	1.2	8.7	450/750
H07V-K 35.0	272 x 0.40	1.2	9.9	450/750

Maximum size upto 240 mm²

**SINGLE CORE HALOGEN FREE
INSULATED BUILDING WIRE**

Reference Standards:
BS 6360

Conductor:
Plain annealed copper conductor
0.20 mm² to 2.5 mm² solid complying to BS 6360
Class1
1.5 mm² to120 mm² stranded complying to BS 6360
Class 2

Insulation:
Zero Halogen

Code Colours:
Red, Black, Blue, Yellow, Green/Yellow

Voltage Rating:
1.5 mm² to16 mm² - 450/750V

Temperature Rating:
0°C to +90°C

Harmonised Code :
H07Z-R

Nominal Cross Section (mm ²)	Nominal Insulation Thickness mm	Conductor Detail		Max DC Resistance @20°C (ohms/km)	Nominal Overall Diameter (mm)	Approx. Net Weight Kg/Km	Current Carrying Capacity (A)
		Number of Strands	Nominal Strand Diameter (mm)				
0.5	0.6	16	0.20	39	2.65	9	8
0.75	0.6	24	0.20	26	2.85	12	10
1.0	0.6	32	0.20	19.5	3.00	15	14
1.5	0.7	30	0.25	13.3	3.30	21	18
2.5	0.8	50	0.25	7.98	3.75	33	24
4.0	0.8	56	0.30	4.95	4.40	49	32
6.0	0.8	84	0.30	3.30	5.10	69	42
10	1.0	80	0.40	1.91	6.70	116	55
16	1.0	126	0.40	1.21	9.00	181	75

Maximum size upto 240 mm²

