

Solid and stranded wires
Copper PVC insulated

H05V-U, H07V-U & H07V-R

APPLICATIONS

They are used for indoor fixed installations in dry locations, in switchboards and distributors. The cables could be installed in surface mounted or conduits.

They should not be buried nor drowned in concrete.

CONDUCTOR CONSTRUCTION

- Solid copper class 1 for H07/H05-VU.
- Stranded copper class 2 for H07-VR.

CORE IDENTIFICATION

By colours.

TECHNICAL DATA

Nominal Voltage:

H05-VU 300/500Vcc.

H07-VU & H07-VR 450/750Vcc.

Maximum Operating temperature: +70°C

Maximum short circuit temperature: +160°C.

DESCRIPTION

CORE
Copper

INSULATION
PVC

H07V-U



H07V-R



H05V-U, H07V-U & H07V-R

Type	Overall Diameter mm	net Weight Kg/Km	Electrical resistance at 20°C (Ω/km)	Current carrying Capacity (A)	Voltage drop $\cos\phi=0,8$ (V/A/km)
H05V-U					
0,5	2,0	8,3	36	8,7	-
0,75	2,2	11,1	24,5	11,2	-
1	2,3	13,6	18,1	13,5	-
H07V-U					
1,5	2,8	20	12,1	17,5	23
2,5	3,4	32	7,41	24	14,2
4	3,9	47	4,61	32	8,9
6	4,4	66	3,08	41	6,04
H07V-R					
1,5	3,1	22	12,1	17,5	23
2,5	3,7	34	7,41	24	14,2
4	4,3	50	4,61	32	8,9
6	4,7	70	3,08	41	6,04
10	6,1	116	1,83	57	3,68
16	7,1	176	1,15	76	2,40
25	8,8	275	0,727	96	1,59
35	9,9	375	0,524	119	1,21
50	11,5	518	0,387	144	0,95
70	12,8	707	0,268	184	0,72
95	14,6	957	0,193	223	0,58
120	16,2	1193	0,153	259	0,50
150	17,9	1488	0,124	299	0,45
185	20,2	1838	0,0991	341	0,40
240	22,7	2372	0,0754	403	0,36
300	25,5	2962	0,0601	464	0,33
400	28,6	3917	0,0470	556	0,30

(1) Maximum intensities valid for: conductors set on a single pipe on a visible assembly, or embedded into a wall, or void space, or chute or plinth at an ambient temperature of the air of 30° C.