

Building wire H07V-U 450/750V						
Conductor			Insulation thickness	Approx. overall diameter	Approx. weight	Maximum conductor resistance at 20°C
Nominal cross-sectional area	No./diameter of wires	Approx. diameter of conductor				
mm ²	No./mm	mm	mm	mm	kg/km	Ω / km
1.5	1/1.38	1.38	0.7	2.8	23.6	12.1
2.5	1/1.78	1.78	0.8	3.4	37.6	7.41
4	1/2.25	2.25	0.8	3.9	56.1	4.61
6	1/2.76	2.76	0.8	4.4	80.7	3.08
10	7/1.35	3.80	1.0	5.8	150.2	1.83

Building wire H07V-R 450/750V						
Conductor			Insulation thickness	Approx. overall diameter	Approx. weight	Maximum conductor resistance at 20°C
Nominal cross-sectional area	No./diameter of wires	Approx. diameter of conductor				
mm ²	No./mm	mm	mm	mm	kg/km	Ω / km
1.5	7/0.53	1.56	0.7	3.1	22	1.59
2.5	7/0.67	2	0.8	3.7	34	2.01
4	7/0.85	2.5	0.8	4.3	50	2.55
6	7/1.04	3.04	0.8	4.8	70	3.12
10	7/1.35	3.8	1.0	6.2	124	4.05
16	7/1.70	4.8	1.0	7.2	183	5.1
25	7/2.14	6.15	1.2	9	280	6.42
35	7/2.56	7.1	1.2	10	380	7.65
50	10/2.56	8.2	1.4	12	500	8.9
70	14/2.56	9.8	1.4	13.7	715	10.7
95	19/2.56	11.5	1.6	16	990	12.6
120	24/2.56	13	1.6	17.5	1220	14.21
150	30/2.56	14.3	1.8	19.5	1500	15.75
185	37/2.56	16	2.0	22	1.89	17.64
240	48/2.56	18.3	2.2	25	2460	20.25
300	61/2.56	20.4	2.4	28	3.08	22.68
400	60/2.92	23.1	2.6	31.5	3.92	25.65
500	60/3.31	26.2	2.8	35	4920	28.8
630	59/3.78	29.8	2.8	39	6.26	32.76

Building wire H07V-K 450/750V

Conductor			Insulation thickness	Approx. overall diameter	Approx. weight	Maximum conductor resistance at 20°C
Nominal cross-sectional area	No./diameter of wires	Approx. diameter of conductor				
mm ²	No./mm	mm	mm	mm	kg/km	Ω / km
1.5	30/0.25	1.57	0.7	3.0	20.52	8.21
2.5	40/0.25	2	0.8	3.6	31.62	7.98
4	56/0.30	2.6	0.8	4.2	47.48	4.95
6	84/0.30	3.4	0.8	5.1	68.18	3.3
10	84/0.40	4.4	1.0	7.0	120.4	1.91
16	126/0.40	5.7	1.0	8.1	174.78	1.21
25	196/0.40	6.9	1.2	10.0	272.92	0.780
35	276/0.40	8.1	1.2	11.0	359.86	0.554
50	396/0.40	9.8	1.4	13.2	520.84	0.386
70	360/0.50	11.6	1.4	15.2	696.72	0.272
95	475/0.50	13.3	1.6	17.4	939.53	0.206
120	608/0.50	15.1	1.6	19.8	1172.44	0.161
150	756/0.50	16.8	1.8	21.7	1461.18	0.129
185	925/0.50	18.8	2.0	23.5	1794.94	0.106
240	1221/0.50	21.4	2.2	27.1	2339.53	0.0801

*The information in this datasheet is for reference only and is subject to change without notice or liability.