

PVC INSULATED NON-SHEATHED WIRES WITH FLEXIBLE CONDUCTOR H07V-K



CONSTRUCTION:

Conductor: flexible copper (class 5)
Insulation: PVC/C

ABBREVIATION:

Cu/PVC

STANDARD:

IEC 60227-3, IEC 60228, IEC 60332

DIMENSIONAL, ELECTRICAL AND MECHANICAL DATA:

Cross section	Insulation thickness	Overall diameter	Min. bending radius	Permissible pulling force	Max. conductor resistance		Current carrying capacity in free air
					DC at 20°C	DC at 70°C	
mm ²	mm	mm	mm	N	Ω/km	Ω/km	A
1.5	0.7	3	14	23	13.3	15.9	24
2.5	0.8	3.6	17	38	7.98	9.55	32
4	0.8	4	19	60	4.95	5.92	42
6	0.8	4.5	25	90	3.30	3.95	54
10	1	6.5	30	150	1.91	2.29	73
16	1	7.3	35	240	1.21	1.45	98
25	1.2	9.1	44	375	0.780	0.933	129
35	1.2	11	50	525	0.554	0.663	158
50	1.4	12.5	58	750	0.386	0.462	198
70	1.4	15	68	1050	0.272	0.325	245
95	1.6	18.5	76	1425	0.206	0.246	292
120	1.6	20	84	1800	0.161	0.193	344
150	1.8	22.5	94	2250	0.129	0.154	391
185	2	24.5	110	9250	0.106	0.126	440
240	2.2	26.5	119	12000	0.0801	0.0956	490

Max. conductor temperature in continuous operation: 70°C

Max. conductor temperature in short circuit: 160°C

Short circuit current: see technical reference page 158