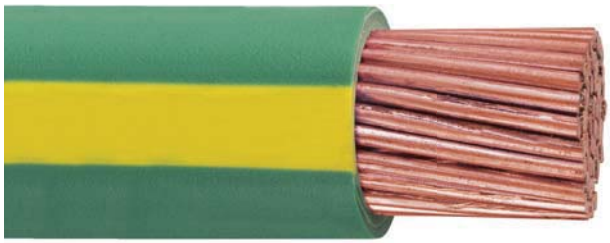
PVC INSULATED NON-SHEATHED WIRES WITH STRANDED CONDUCTOR
H07V-R



CONSTRUCTION:

Conductor: stranded copper (class 2)
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	
mm²	mm	mm	mm	N	Ω/km	Ω/km	A
1.5	0.7	2.95	13	75	12.1	14.5	24
2.5	0.8	3.6	16	125	7.41	8.87	32
4	0.8	4.1	18	200	4.61	5.52	42
6	0.8	4.7	20	300	3.08	3.69	54
10	1	6	26	400	1.83	2.19	73
16	1	7	32	800	1.15	1.38	98
25	1.2	8.7	39	1250	0.727	0.870	129
35	1.2	10	44	1750	0.524	0.627	158
50	1.4	11.5	52	2500	0.387	0.463	198
70	1.4	13.5	60	3500	0.268	0.321	245
95	1.6	15.7	68	4750	0.193	0.231	292
120	1.6	17.5	76	6000	0.153	0.183	344
150	1.8	19.2	84	7500	0.124	0.148	391
185	2	21.5	94	9250	0.0991	0.119	448
240	2.2	24.5	106	12000	0.0754	0.0902	528
300	2.4	27.5	118	15000	0.0601	0.0719	608
400	2.6	30.5	135	20000	0.0470	0.0562	700

Max. conductor temperature in continuous operation: 70°C
Max. conductor temperature in short circuit: 160°C
Short circuit current: see technical reference page 158