

# PVC insulated wire

## H07V-R



**Application:** For laying in pipes on top of or under plaster and in closed installation ducts and for internal wiring of machinery, switchgear and distributor systems. The cable is not suitable for direct laying under plaster.

### Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Eca
<b>Standard:</b>	DIN EN 50525-2-31 (VDE 0285-525-2-31)
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 2 = stranded
<b>Insulation:</b>	PVC TI1
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Max. temperature at conductor, °C:</b>	70 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-5 - +70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	5 - 70 °C
<b>Bending radius, fixed installation:</b>	6 x Ø



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

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<b>Conductor resistance:</b>	3.08
<b>Nominal voltage U<sub>0</sub>:</b>	450 V
<b>Nominal voltage U:</b>	750 V
<b>Test voltage:</b>	2.5 kV

part no.	part name	DI [mm]	RI [Ohm/km]	Wi [mm]	I <sub>bl</sub> [A]	R <sub>bv</sub> [mm]	Ø [mm]	Cu [kg]	G [kg]
041370	1X6 GN-YE	3.3	3.08	0.8		18.8	4.7	57.6	65
040082	1X16 BK	5.3	1.15	1	98	27.2	6.8	154	175
040081	1X16 GN-YE	5.3	1.15	1		27.2	6.8	154	175
040205	1X16 RD	5.3	1.15	1	98	27.2	6.8	154	175
040085	1X25 BK	6.6	0.727	1.2	129	51	8.5	240	275
040084	1X25 GN-YE	6.6	0.727	1.2		51	8.5	240	275
040756	1X25 LBU	6.6	0.727	1.2	129	51	8.5	240	275

part no.	part name	DI [mm]	RI [Ohm/km]	Wi [mm]	lbl [A]	Rbv [mm]	Ø [mm]	Cu	G [kg]
040757	1X25 DBU	6.6	0.727	1.2	129	51	8.5	240	275
040211	1X25 RD	6.6	0.727	1.2	129	51	8.5	240	275
040087	1X35 BK	7.9	0.524	1.2	158	57	9.5	336	370
040086	1X35 GN-YE	7.9	0.524	1.2		57	9.5	336	370
040758	1X35 LBU	7.9	0.524	1.2	158	57	9.5	336	370
040759	1X35 DBU	7.9	0.524	1.2	158	57	9.5	336	370
040207	1X35 RD	7.9	0.524	1.2	158	57	9.5	336	370
040089	1X50 BK	9.1	0.387	1.4	198	67.2	11.2	480	500
040088	1X50 GN-YE	9.1	0.387	1.4		67.2	11.2	480	500
040208	1X50 RD	9.1	0.387	1.4	198	67.2	11.2	480	500
040091	1X70 BK	11	0.268	1.4	245	76.2	12.7	672	710
040090	1X70 GN-YE	11	0.268	1.4		76.2	12.7	672	710
040209	1X70 RD	11	0.268	1.4	245	76.2	12.7	672	710
040093	1X95 BK	12.9	0.193	1.6	292	88.8	14.8	912	970
040092	1X95 GN-YE	12.9	0.193	1.6	292	88.8	14.8	912	970
040210	1X95 RD	12.9	0.193	1.6	292	88.8	14.8	912	970
040078	1X120 BK	14.5	0.153	1.6	344	97.8	16.3	1152	1200
040077	1X120 GN-YE	14.5	0.153	1.6		97.8	16.3	1152	1200
040080	1X150 BK	16.2	0.124	1.8	391	109.2	18.2	1440	1470
040079	1X150 GN-YE	16.2	0.124	1.8		109.2	18.2	1440	1470
040965	1X185 BK	18	0.0991	2	448	121.8	20.4	1776	1806
040300	1X185 GN-YE	18	0.0991	2		121.8	20.4	1776	1806
040594	1X300 GN-YE	23.1	0.0601	2		153	25.5	2880	2929

DI	diameter conductor
RI	Conductor resistance
Wi	Insulation wall thickness
lbl	Ampacity in air (30 °C)
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000