PVC insulated wire
H07V-U

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:

CPR-classification according to EN 50575:	Eca
Standard:	DIN EN 50525-2-31 (VDE 0285-525-2-31)
Conductor material:	copper, bare
Conductor construction:	Class 1 = solid
Insulation:	PVC TI1
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Max. temperature at conductor, °C:	70 °C
Permitted outer cable temperature, fixed, °C:	-5 - +70 °C
Permitted outer cable temperature, moved, °C:	5 - 70 °C
Min. bending radius, fixed installation:	4 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.

H07V-U

Nominal voltage Uo:	450 V
Nominal voltage U:	750 V
Maximum operating capacity:	100 nF/km
Test voltage:	2.5 kV

part no.	part name	DI [mm]	RI [Ohm/km]	Wi [mm]	Ibl [A]	Rbv [mm]	Ø [mm]	Cu	G [kg]
040100	1X1.5 BK	1.5	12.1	0.7	24	10.8	2.7	14.4	20
040096	1X1.5 GN-YE	1.5	12.1	0.7	24	10.8	2.7	14.4	20
040236	1X1.5 LBU	1.5	12.1	0.7	24	10.8	2.7	14.4	20
040095	1X1.5 BN	1.5	12.1	0.7	24	10.8	2.7	14.4	20
040098	1X1.5 GY	1.5	12.1	0.7	24	10.8	2.7	14.4	20
040101	1X1.5 VI	1.5	12.1	0.7	24	10.8	2.7	14.4	20
040099	1X1.5 RD	1.5	12.1	0.7	24	10.8	2.7	14.4	20

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part no.	part name	Dl [mm]	Rl [Ohm/km]	Wi [mm]	Ibl [A]	Rbv [mm]	Ø [mm]	Cu	G [kg]
040102	1X1.5 WH	1.5	12.1	0.7	24	10.8	2.7	14.4	20
040214	1X1.5 DBU	1.5	12.1	0.7	24	10.8	2.7	14.4	20
040118	1X2.5 BK	1.9	7.41	0.8	32	13.2	3.3	24	31
040114	1X2.5 GN-YE	1.9	7.41	0.8	32	13.2	3.3	24	31
040237	1X2.5 LBU	1.9	7.41	0.8	32	13.2	3.3	24	31
040112	1X2.5 BN	1.9	7.41	0.8	32	13.2	3.3	24	31
040116	1X2.5 GY	1.9	7.41	0.8	32	13.2	3.3	24	31
040119	1X2.5 VI	1.9	7.41	0.8	32	13.2	3.3	24	31
040117	1X2.5 RD	1.9	7.41	0.8	32	13.2	3.3	24	31
040120	1X2.5 WH	1.9	7.41	0.8	32	13.2	3.3	24	31
040215	1X2.5 DBU	1.9	7.41	0.8	32	13.2	3.3	24	31
040124	1X4 BK	2.4	4.61	0.8	42	15.2	3.8	38	46
040122	1X4 GN-YE	2.4	4.61	0.8	42	15.2	3.8	38	46
040761	1X4 LBU	2.4	4.61	0.8	42	15.2	3.8	38	46
040762	1X4 DBU	2.4	4.61	0.8	42	15.2	3.8	38	46
040181	1X4 BN	2.4	4.61	0.8	42	15.2	3.8	38	46
040123	1X4 GY	2.4	4.61	0.8	42	15.2	3.8	38	46
040249	1X4 RD	2.4	4.61	0.8	42	15.2	3.8	38	46
040128	1X6 BK	2.9	3.08	0.8	54	17.2	4.3	58	65
040126	1X6 GN-YE	2.9	3.08	0.8	54	17.2	4.3	58	65
040763	1X6 LBU	2.9	3.08	0.8	54	17.2	4.3	58	65
040764	1X6 DBU	2.9	3.08	0.8	54	17.2	4.3	58	65
040125	1X6 BN	2.9	3.08	0.8	54	17.2	4.3	58	65
040107	1X10 BK	3.7	1.83	1	73	22	5.5	96	110
040105	1X10 GN-YE	3.7	1.83	1	73	22	5.5	96	110
040765	1X10 LBU	3.7	1.83	1	73	22	5.5	96	110
040766	1X10 DBU	3.7	1.83	1	73	22	5.5	96	110
040104	1X10 BN	3.7	1.83	1	73	22	5.5	96	110
040429	1X16 GN-YE (with reference to VDE)	4.6	1.15	1	98	25.6	6.4	154	170

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