PVC insulated wire
H05V-U

Application: For internal wiring of switching boxes and other electrical appliances. For installation in closed conduits and pipes. Not for direct installation 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:	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.

H05V-U

Conductor construction:	Class 1 = solid
Nominal voltage Uo:	300 V
Nominal voltage U:	500 V

part no.	part name	Dl [mm]	Rl [Ohm/km]	Wi [mm]	Ibl [A]	Rbv [mm]	Ø [mm]	Cu	G [kg]
040020	1X0.75 BK	1	24.5	0.6	15	8.4	2.1	7.2	10
040748	1X0.75 LBU	1	24.5	0.6	15	8.4	2.1	7.2	10
040749	1X0.75 DBU	1	24.5	0.6	15	8.4	2.1	7.2	10
040021	1X0.75 WH	1	24.5	0.6	15	8.4	2.1	7.2	10
040017	1X0.75 GN-YE	1	24.5	0.6	15	8.4	2.1	7.2	10
040016	1X0.75 BN	1	24.5	0.6	15	8.4	2.1	7.2	10
040018	1X0.75 GY	1	24.5	0.6	15	8.4	2.1	7.2	10
040019	1X0.75 RD	1	24.5	0.6	15	8.4	2.1	7.2	10
040027	1X1 BK	1.2	18.1	0.6	19	9.2	2.3	9.6	14

part no.	part name	Dl [mm]	Rl [Ohm/km]	Wi [mm]	Ibl [A]	Rbv [mm]	Ø [mm]	Cu	G [kg]
040024	1X1 GN-YE	1.2	18.1	0.6	19	9.2	2.3	9.6	14
040022	1X1 BU	1.2	18.1	0.6	19	9.2	2.3	9.6	14
040750	1X1 LBU	1.2	18.1	0.6	19	9.2	2.3	9.6	14
040751	1X1 DBU	1.2	18.1	0.6	19	9.2	2.3	9.6	14
040025	1X1 GY	1.2	18.1	0.6	19	9.2	2.3	9.6	14
040026	1X1 RD	1.2	18.1	0.6	19	9.2	2.3	9.6	14
040028	1X1 WH	1.2	18.1	0.6	19	9.2	2.3	9.6	14
040023	1X1 BN	1.2	18.1	0.6	19	9.2	2.3	9.6	14
040258	1X1 VI	1.2	18.1	0.6	19	9.2	2.3	9.6	14

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