

DATA SHEET

H07V-U

PVC INSULATED WIRE

450/750 V | CLASS 1 | EN 50525-2-31 | CPR Eca

H07V-U is a harmonised single-core electrical wire with a Class 1 solid bare copper conductor and PVC insulation. It is intended for fixed installation inside conduits, cable ducts, electrical panels and distribution boards in residential, commercial and industrial buildings.

EHG CE RoHS  CPR 

REF: H07V-U



CONSTRUCTION

Conductor	Solid bare copper, Class 1
Insulation	PVC T11
Insulation colour	Various colours (see product range)
Rated voltage (Uo/U)	450/750 V
Standard	EN 50525-2-31
CPR classification	Eca (EN 50575)
Flame retardant	IEC 60332-1-2
Max. conductor temperature	70 °C
Permitted ambient temperature (fixed)	-5 °C to +70 °C
Permitted ambient temperature (moved)	+5 °C to +70 °C
Min. bending radius (fixed)	4 × Ø

STANDARDS



EN 50525-2-31
EN 50575 (CPR)
IEC 60332-1-2
VDE 0482-332-1-2

APPLICATIONS



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.



Residential buildings



Commercial buildings



Industrial buildings



Electrical panels



Conduits & cable ducts

TECHNICAL DATA

Cross-section mm ²	Conductor Ø mm	Conductor Resistance Ω/km @ 20°C	Insulation Thickness mm	Ampacity in Air A @ 30°C	Min. Bending Radius mm	Outer Diameter approx. mm	Copper Weight kg/km	Cable Weight kg/km
1 × 1.5	1.5	12.1	0.7	24	10.8	2.7	14.4	20
1 × 2.5	1.9	7.41	0.8	32	13.2	3.3	24	31
1 × 4	2.4	4.61	0.8	42	15.2	3.8	38	46
1 × 6	2.9	3.08	0.8	54	17.2	4.3	58	65
1 × 10	3.7	1.83	1.0	73	22.0	5.5	96	110
1 × 16*	4.6	1.15	1.0	98	25.6	6.4	154	170

*1 × 16 mm² listed with reference to VDE. Dimensions and weights are approximate.

AVAILABLE COLOURS



Black



Brown



Blue



Grey



Green/Yellow



Red



White



Orange



Violet

PACKAGING



Standard drums
(other upon request)



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