

H07V-U

PVC single core, solid



TECHNICAL DATA

PVC single core acc. to DIN VDE 0285-525-2-31 / DIN EN 50525-2-31

Temperature range	flexible +5°C to +70°C fixed -30°C to +80°C
Nominal voltage	AC U ₀ /U 450/750 V
Test voltage	2500 V
Minimum bending radius	fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper conductor bare, solid acc. to DIN VDE 0295 Class 1 / IEC 60228 Class 1
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T11)
- Core identification: see table

PROPERTIES

- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- certifications and approvals:
HAR
EAC

APPLICATION

Installation in electrical conduits, on or under plaster or similar enclosed systems. Suitable for protected and fixed installation in lighting systems or switching and control devices up to and including 1000 V AC voltage or up to 750 V DC voltage against earth. Not suitable for direct laying in cable ladders and cable trays, except as a potential equalization cable.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Coil in cardboard box (100m)

Cross-sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	black (RAL 9005)	green-yellow	blue (RAL 5015)	brown (RAL 8003)	red (RAL 3000)	white (RAL 9003)	grey (RAL 7001)	violet (RAL 4005)
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	2.6 - 3.2	14.4	28785	28786	28787	28788	28789	28790	28791	28792
2.5	14	3.2 - 3.9	24.0	28793	28794	28795	28796	28797	28798	28799	28800
4	12	3.6 - 4.4	38.0	28801	28802	28803	28804	28805	28806	28807	28808
6	10	4.1 - 5.0	58.0	28809	28810	28811	28812	28813	28814	28815	28816

Coil (100m)

Cross-sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	black (RAL 9005)	green-yellow	blue (RAL 5015)	brown (RAL 8003)	red (RAL 3000)	white (RAL 9003)	grey (RAL 7001)	violet (RAL 4005)
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	2.6 - 3.2	14.4	28980	28983	28929	28981	28982	29853	29854	29930
2.5	14	3.2 - 3.9	24.0	29849	29852	28984	29850	29851	29931	29932	29934
4	12	3.6 - 4.4	38.0	29935	29936	29937	29938	29939	29940	29941	29969
6	10	4.1 - 5.0	58.0	29878	29879	29880	29881	29882	29883	29884	29885
10	8	5.3 - 6.4	96.0	28817	28818	28819	28820	28821	28822	28823	28824

H07V-U

PVC single core, solid



Drum

Cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km								
				black (RAL 9005) Part no.	green-yellow Part no.	blue (RAL 5015) Part no.	brown (RAL 8003) Part no.	red (RAL 3000) Part no.	white (RAL 9003) Part no.	grey (RAL 7001) Part no.	violet (RAL 4005) Part no.
1.5	16	2.6 - 3.2	14.4	28145	28146	28147	28148	28149	28150	28151	28152
2.5	14	3.2 - 3.9	24.0	28153	28154	28155	28156	28157	28158	28159	28160
4	12	3.6 - 4.4	38.0	28161	28162	28163	28164	28165	28166	28167	28168
6	10	4.1 - 5.0	58.0	28169	28170	28171	28172	28173	28174	28175	28176
10	8	5.3 - 6.4	96.0	28177	28178	28179	28180	28181	28182	28183	28184