

H07V-K / 07V-K

PVC single core, finely stranded



TECHNICAL DATA

PVC single core, H07V-K acc. to DIN VDE 0285-525-2-31 / DIN EN 50525-2-31, IEC 60227-3; 07V-K in alignment with DIN VDE 0285-525-2-31 / DIN EN 50525-2-31, IEC 60227-3

| | |
|-------------------------------|---|
| 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 <8 mm: 4x Outer-ø 8-12 mm: 5x Outer-ø >12 mm: 6x Outer-ø |

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- 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

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
- Approved core colours: black, green-yellow, blue, brown, red, white, grey, violet, orange, pink

H07V-K 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) | orange (RAL 2003) |
|-------------------------------|-----------------|----------------------------|--------------------|---------------------|--------------|--------------------|---------------------|-------------------|---------------------|--------------------|----------------------|----------------------|
| | | | | Part no. | Part no. | Part no. | Part no. | Part no. | Part no. | Part no. | Part no. | |
| 1.5 | 16 | 2.8 - 3.4 | 14.4 | 29129 | 29130 | 29131 | 29132 | 29133 | 29134 | 29135 | 29136 | 29142 |
| 2.5 | 14 | 3.4 - 4.1 | 24.0 | 29145 | 29146 | 29147 | 29148 | 29149 | 29150 | 29151 | 29152 | 29158 |
| 4 | 12 | 3.9 - 4.8 | 38.0 | 29161 | 29162 | 29163 | 29164 | 29165 | 29166 | 29167 | 29168 | 29174 |
| 6 | 10 | 4.4 - 5.3 | 58.0 | 29177 | 29178 | 29179 | 29180 | 29181 | 29182 | 29183 | 29184 | 29190 |

| Cross-sec. mm ² | AWG, approx. | Outer-ø min - max mm | Cu-weight kg/km | dark blue (RAL 5010) | pink (RAL 3015) | ultram.blue (RAL 5002) |
|-------------------------------|-----------------|----------------------------|--------------------|-------------------------|--------------------|---------------------------|
| | | | | Part no. | Part no. | Part no. |
| 1.5 | 16 | 2.8 - 3.4 | 14.4 | 29141 | 29138 | 26395 |
| 2.5 | 14 | 3.4 - 4.1 | 24.0 | 29157 | 29154 | 26396 |
| 4 | 12 | 3.9 - 4.8 | 38.0 | 29173 | 29170 | 26397 |
| 6 | 10 | 4.4 - 5.3 | 58.0 | 29189 | 29186 | 26398 |