

H07 V-K / (H)07 V-K PVC-Single Cores, fine wire stranded



Technical data

PVC single cores to DIN VDE 0281 part 3, HD 21.3 S3 and IEC 60227-3
 Temperature range flexing -5 °C to +70 °C
 fixed installation -30 °C to +80 °C
 Nominal voltage U_0/U 450/750 V
 Test voltage 2500 V
 Insulation resistance min. 10 MΩ x km
 Minimum bending radius 12,5 to 15x cable ø
 Radiation resistance up to 80×10^6 cJ/kg (up to 80 Mrad)

Cable structure

Bare copper fine wire stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5, HD 383 and IEC 60228 cl. 5
 PVC core insulation, compound T11 to DIN VDE 0281 part 3, HD 21.3 S3 and IEC 60227-3
 Core colours see below
 Core Identification with nominal voltage U_0/U 450/750 V
 The following colours are recommended (only single colour): black, white, blue, grey, brown, red, orange, turquoise, violet and pink. Two-coloured combinations are not allowed, with exceptions of green-yellow.
 Colour code Single core cables H07 see Technical Informations

Properties

PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
 The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

Colours yellow, green, transparent only in (H)07 V-K available.
 Two-coloured combination is only permitted for (H)07 V-K.

Application

These insulated wires are suitable for laying in tubes, under and surface mounting of plasters and also in closed installation conduits. These are not allowed to install for direct laying on cable trays, channels or tanks. These types are permitted for the inner wiring of equipment, distributor and switchboards and also for protective laying to the lightings with a nominal voltage up to 1000 V alternating current or up to 750 V direct current against earth.

☑ The product is conformed with the EC Low-Voltage Directive 2006/95/EG

H07 V-K, (H)07 V-K/ mm²

| Cross-section mm ² | Outer Ø min. - max. mm | Cop. weight kg / km | black | gn-ye | blue | brown | red | white | grey | vio | ye | pink | green | trans | dk-bu | og | 2-col. | u-blue |
|----------------------------------|------------------------------|---------------------------|-------------|-------|------|-------|-----|-------|------|-----|----|------|-------|-------|-------|----|--------|--------|
| | | | approx. RAL | | | | | | | | | | | | | | | |
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