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INSTALLATION AND HARMONISED CABLES AND WIRES

H07V-K

PVC insulated wire

PVC insulated wires for fixed and protected installations, for internal wiring of equipment and lightings, for signalling and control circuits.

TECHNICAL DATA

Standard
EN 50525-2-31

Test Voltage
2500 V

Rated Voltage
450/750 V (Uo/U)

Bending radius (min.)
Fixed installation: 3 x Ø up to 12 mm
4 x Ø over 12 mm
Flexible use: 5 x Ø up to 12 mm
6 x Ø over 12 mm

Fire properties
EN 60332-1-2: self-extinguishing and flame retardant
CPR classification: Eca

Core identification
According to EN 50525-1 - black, white, blue, brown, red, orange, violet, pink, green/yellow, yellow, green, grey

Temperature range
Laying temperature: min. 5°C
Fixed installation: -30°C up to 70°C
Flexible use: -5°C up to 70°C

DESIGN



1. Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
2. Core insulation of special compound based on polyvinyl chloride (PVC)

Number of cores x nominal cross-section (mm^2)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
1 x 1.5	2.8	14.4	19
1 x 2.5	3.5	24.0	30
1 x 4	4.0	38.0	44
1 x 6	5.0	58.0	66
1 x 10	6.7	96.0	107
1 x 16	7.6	154.0	161
1 x 25	8.1	240.0	290
1 x 35	9.2	336.0	380
1 x 50	11.6	480.0	550
1 x 70	13.4	672.0	716
1 x 95	15.5	912.0	976
1 x 120	17.1	1152.0	1214
1 x 150	22.0	1440.0	1530
1 x 185	25.0	1776.0	1900
1 x 240	28.0	2304.0	2450

Technical changes reserved. All figures are therefore without guarantee.

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