



H07V-K

PVC insulated wire

INSTALLATION AND HARMONISED CABLES AND WIRES

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 (U_o/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



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

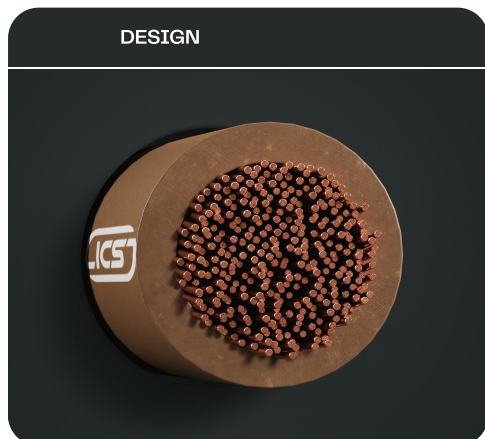


Core identification
According to EN 50525-1 – black, white, blue, brown, red, orange, violet, pink, green/yellow, yellow, green, grey



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

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