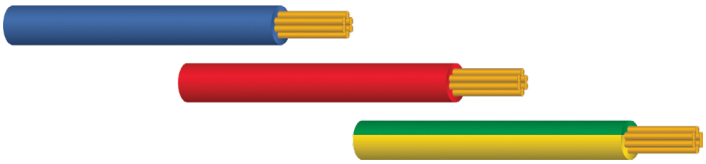
H05V-K |
H07V-K |

PVC Single cores



APPLICATION

- H05V-K/H07V-K
- Suitable in dry rooms for fixed and flexible laying. They may be used for exposed conduits or embedded conduits
- These switching strands are intended for wiring telecommunication devices, electronic components in devices and telecommunication systems.
- The design and manufactured basically in accordance with BS EN 50525-2-31 / IEC 60227-3 / TIS11 Part3-2553
- Flame-retardant acc. to IEC 60332-1-2

CONSTRUCTION

- H05V-K/H07V-K: fine strands of bare copper wire
- PVC core insulation, available in various colours, see colour numbers

TECHNICAL DATA

Conductor Material

Conductor : Copper bare according to BS EN, IEC 60228/TIS 2427-2552

Conductor Class

Class 5

Core Insulation

PVC (Polyring/Cholride), Type TI1 according to BS EN 50363-3 and Type PVC/C according to IEC 60227-3/TIS 11 Part 1-2553

Sheath Colour

Available in various colours, see colour numbers

Black, Blue, Light Blue, Brown, Grey, Green/Yellow, Red, Violet, Yellow, White or others up on request.

Rated Voltage [V]

60227 IEC 06 (H05V-K) : 300/500 V

60227 IEC 02 (H07V-K) : 450/750 V

Testing Voltage [V]

H05V-K: 2000 V H07V-K: 2500 V

Insulation Resistance

> 20 MΩ x km

Min. Bending Radius Fixed [xd]

core Ø smaller 8 mm: 4x core Ø ; core Ø larger 8-1 2 mm: 5x core Ø ; core Ø larger 12 mm: 6x core Ø;

Working Temp Fixed Min/Max [C]

-30°C up to +80

Working Temp Moved Min/Mac [C]

+5°C up to +70

Part No.	No. of cores x cross section	Outer Ø ca. mm	Copper weight kg/100m	Weight kg/100m
34..0050	1 x 0.50	2.1-2.5	0.48	1
34..0075	1 x 0.75	2.2-2.7	0.72	1.2
34..0100	1 x1	2.4-2.8	0.96	1.4
33..0150	1 x 1.50	2.8-3.4	1.44	2.2
33..0250	1 x 2.50	3.4-4.1	2.4	3.7
35..0400	1 x4	4.2	3.8	5
35..0600	1 x6	4.8	5.8	6.5
35..1000	1 x 10	6.2	9.6	12
35..1600	1 x 16	7.7	15.4	18
35..2500	1 x 25	9.2	24	26
35..3500	1 x 35	11.5	33.6	36
35..5000	1 x 50	12.5	48	51.5
35..7000	1 x 70	15	67.2	71
35..9500	1 x 95	16	91.2	94
35..12000	1 x 120	18.5	115.2	118
35..15000	1 x 150	20	144	160