

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

07V-K Coil in cardboard box (100m)

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	yellow (RAL 1021)	green (RAL 6018)	transparent	blue-white	brown-white	dark blue-white	red-white
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	2.8 - 3.4	14.4	29137	29139	29140	29378	29383	29397	29373
2.5	14	3.4 - 4.1	24.0	29153	29155	29156	29379	29384	29398	29374
4	12	3.9 - 4.8	38.0	29169	29171	29172	29386	29387	29399	29385
6	10	4.4 - 5.3	58.0	29185	29187	29188	29389	29390	29527	29388
10	8	5.7 - 6.8	96.0	-	-	-	29392	29393	29528	29391