



H05V-K <HAR>

European <HAR> cable type certification

Info

- CPR: Article number choice under www.lappkabel.com/cpr
- <HAR>



Benefits

- Cables' <HAR> marking also stands for the international endorsement of national certification institutes' testing marks and certificates, e. g. <VDE><HAR>. The <HAR> marking is of special importance in case of goods traffic between European countries.

Application range

- Internal wiring of devices
- Protected installation in and on lighting equipments
- Signal systems in and on plaster in tubes

Product features

- Flame-retardant according IEC 60332-1-2
- Spool: d1 = 18 mm; d2 = 200 mm; b = 85 mm

Norm references / Approvals

- <HAR> cable type certification acc. EN 50525-2-31

Product Make-up

- Fine-wired copper conductor of bare copper strands in line with conductor class 5 acc. IEC 60228
- Core insulation: Based on PVC

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000993
ETIM 5.0/6.0 Class-Description: Single core cable

Conductor stranding
Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

Minimum bending radius
According to EN 50565-1
4 x outer diameter (OD) for normal use;
2 x OD for cautions bending

Nominal voltage
U0/U: 300/500 V

Test voltage
2000 V

Current rating
VDE 0298 Part 4
EN 50565-1/ VDE 0298-565-1

Temperature range
Fixed installation: -40°C to +80°C
Moved: +5°C to +70°C

Conductor cross-section (mm²)	Outer diameter [mm]	m/ring	m/spool	Copper index (kg/km)	Weight (kg/km)	grey	white	yellow	orange	red
0.5	2.1 - 2.5	100		4.8	9	4510061	4510051	4510111	4510091	4510041
0.75	2.2 - 2.7	100		7.2	12	4510062	4510052	4510112	4510092	4510042
1	2.4 - 2.8	100		9.6	15	4510063	4510053	4510113	4510093	4510043
0.5	2.1 - 2.5		250	4.8	9	4510061S	4510051S	4510111S	4510091S	4510041S
0.75	2.2 - 2.7		250	7.2	12	4510062S	4510052S	4510112S	4510092S	4510042S
1	2.4 - 2.8		250	9.6	15	4510063S	4510053S	4510113S	4510093S	4510043S

Conductor cross-section (mm²)	Outer diameter [mm]	m/ring	m/spool	Copper index (kg/km)	Weight (kg/km)	violet	blue	green	brown	black
0.5	2.1 - 2.5	100		4.8	9	4510071	4510021	4510121	4510031	4510011
0.75	2.2 - 2.7	100		7.2	12	4510072	4510022	4510122	4510032	4510012
1	2.4 - 2.8	100		9.6	15	4510073	4510023	4510123	4510033	4510013
0.5	2.1 - 2.5		250	4.8	9	4510071S	4510021S	4510121S	4510031S	4510011S
0.75	2.2 - 2.7		250	7.2	12	4510072S	4510022S	4510122S	4510032S	4510012S
1	2.4 - 2.8		250	9.6	15	4510073S	4510023S	4510123S	4510033S	4510013S

Conductor cross-section (mm²)	Outer diameter [mm]	m/ring	m/spool	Copper index (kg/km)	Weight (kg/km)	green/yellow	dark blue	ultra-marine blue	Dark blue/white	transparent
0.5	2.1 - 2.5	100		4.8	9	4510001	4510141	4510161	4510921	
0.75	2.2 - 2.7	100		7.2	12	4510002	4510142		4510922	
1	2.4 - 2.8	100		9.6	15	4510003	4510143	4510163	4510923	
0.5	2.1 - 2.5		250	4.8	9	4510001S	4510141S			4510101S
0.75	2.2 - 2.7		250	7.2	12	4510002S	4510142S	4510162S		4510102S
1	2.4 - 2.8		250	9.6	15	4510003S	4510143S	4510163S		4510103S

Conductor cross-section (mm²)	Outer diameter [mm]	m/ring	m/spool	Copper index (kg/km)	Weight (kg/km)	pink
0.5	2.1 - 2.5	100		4.8	9	4510081
0.75	2.2 - 2.7	100		7.2	12	4510082
1	2.4 - 2.8	100		9.6	15	4510083
0.75	2.2 - 2.7		250	7.2	12	4510082S

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges. Photographs and graphics are not to scale and do not represent detailed images of the respective products.

H05V-K in big one-way cardboard box

Harmonised, flexible single conductor for protected, fixed installation



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- Efficient
- <HAR>

Benefits

- Higher cost-effectiveness due to optimum processing volumes
- Single cores are embossed so that an additional, subsequent marking by ink jet printing is readable
- The comparatively low weight of the cardboard boxes makes handling easy
- Time-saving assembly

Application range

- Ideal for assembling to achieve longer operating times
- Suitable for assembling cable harnesses and wiring during switch cabinet installation

Product features

- Flame-retardant according IEC 60332-1-2

Norm references / Approvals

- <HAR> cable type certification acc. EN 50525-2-31

Product Make-up

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Minimum bending radius
 According to EN 50565-1
 4 x outer diameter (OD) for normal use;
 2 x OD for cautions bending

Nominal voltage
 U0/U: 300/500 V

Test voltage
 2000 V

Current rating
 VDE 0298 Part 4
 EN 50565-1/ VDE 0298-565-1

Temperature range
 Fixed installation: -40°C to +80°C
 Moved: +5°C to +70°C

Conductor cross-section (mm ²)	Outer diameter [mm]	m/box	Copper index (kg/km)	Weight (kg/km)	grey	white	yellow	orange	red
0.5	2.1 - 2.5	3000	4.8	9	4511073K	4511072K		4511070K	4511071K
0.75	2.2 - 2.7	2500	7.2	12	4510062K	4510052K	4510112K	4510092K	4510042K
1	2.4 - 2.8	2000	9.6	15	4510063K	4510053K	4510113K	4510093K	4510043K

Conductor cross-section (mm ²)	Outer diameter [mm]	m/box	Copper index (kg/km)	Weight (kg/km)	violet	blue	green	brown	black
0.5	2.1 - 2.5	3000	4.8	9	4511068K	4510021K		4511065K	4510011K
0.5	2.1 - 2.5	9000	4.8	9		4510021E			
0.75	2.2 - 2.7	2500	7.2	12	4510072K	4510022K	4510122K	4510032K	4510012K
0.75	2.2 - 2.7	7500	7.2	12		4510022E			
1	2.4 - 2.8	2000	9.6	15	4510073K	4510023K		4510033K	4510013K
1	2.4 - 2.8	6000	9.6	15		4510023E			4510013E

Conductor cross-section (mm ²)	Outer diameter [mm]	m/box	Copper index (kg/km)	Weight (kg/km)	green/yellow	dark blue	ultra-marine blue	blue/white	Dark blue/white
0.5	2.1 - 2.5	3000	4.8	9	4510001K	4511064K	4510161K		4510921K
0.5	2.1 - 2.5	9000	4.8	9		4511060E			
0.75	2.2 - 2.7	2500	7.2	12	4510002K	4510142K	4510162K	4510262K	4510922K
0.75	2.2 - 2.7	7500	7.2	12		4511061E			
1	2.4 - 2.8	2000	9.6	15	4510003K	4510143K	4510163K	4510263K	4510923K
1	2.4 - 2.8	6000	9.6	15		4511062E			

Conductor cross-section (mm ²)	Outer diameter [mm]	m/box	Copper index (kg/km)	Weight (kg/km)	pink
0.75	2.2 - 2.7	2500	7.2	12	4510082K

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
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Similar products

- H05V-K <HAR> refer to page 217

Accessories

- KNIPEX Diagonal cutter refer to page 951
- DIN assorted boxes conductor end sleeves refer to page 967
- EASY STRIP stripping and cutting tool refer to page 962
- PEW 8.87 crimping pliers