

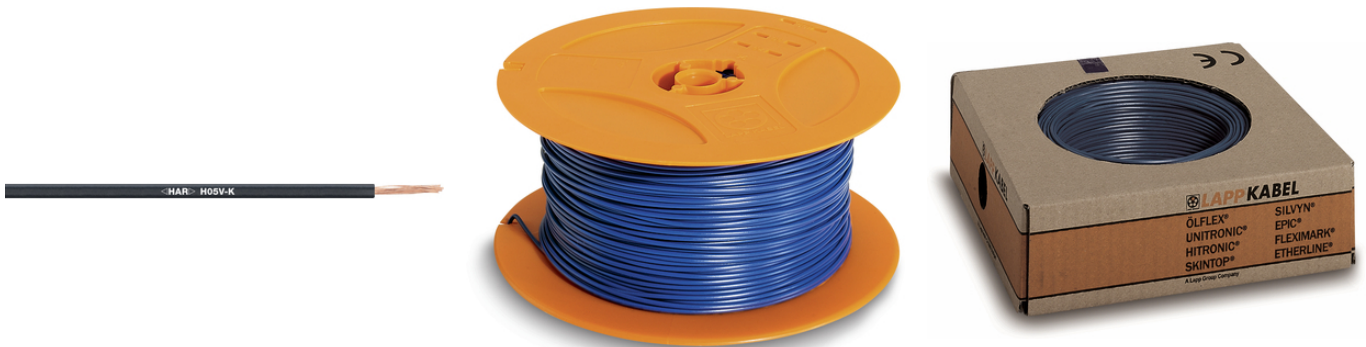
H05V-K <HAR>

European <HAR> cable type certification

H05V-K, HAR, power and control cable, PVC, 300/500V, wiring of devices and control cabinets, flame-retardant, class 5/fine wire, fixed installation, ring/spool

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

Last Update (18.12.2018)
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PN 0456 / 02_03.16

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

Note

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.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	m/ring	m/spool	Copper index (kg/km)	Weight (kg/km)
4510001	0.5	2.1 - 2.5	green/yellow	100	-	4.8	9
4510011	0.5	2.1 - 2.5	black	100	-	4.8	9
4510021	0.5	2.1 - 2.5	blue	100	-	4.8	9
4510141	0.5	2.1 - 2.5	dark blue	100	-	4.8	9
4510031	0.5	2.1 - 2.5	brown	100	-	4.8	9
4510111	0.5	2.1 - 2.5	yellow	100	-	4.8	9
4510121	0.5	2.1 - 2.5	green	100	-	4.8	9
4510071	0.5	2.1 - 2.5	violet	100	-	4.8	9
4510081	0.5	2.1 - 2.5	pink	100	-	4.8	9
4510091	0.5	2.1 - 2.5	orange	100	-	4.8	9
4510041	0.5	2.1 - 2.5	red	100	-	4.8	9
4510051	0.5	2.1 - 2.5	white	100	-	4.8	9
4510061	0.5	2.1 - 2.5	grey	100	-	4.8	9
4510161	0.5	2.1 - 2.5	ultra-marine blue	100	-	4.8	9
4510921	0.5	2.1 - 2.5	Dark blue/white	100	-	4.8	9
4510002	0.75	2.2 - 2.7	green/yellow	100	-	7.2	12
4510012	0.75	2.2 - 2.7	black	100	-	7.2	12
4510022	0.75	2.2 - 2.7	blue	100	-	7.2	12
4510142	0.75	2.2 - 2.7	dark blue	100	-	7.2	12
4510032	0.75	2.2 - 2.7	brown	100	-	7.2	12
4510112	0.75	2.2 - 2.7	yellow	100	-	7.2	12
4510122	0.75	2.2 - 2.7	green	100	-	7.2	12
4510072	0.75	2.2 - 2.7	violet	100	-	7.2	12
4510082	0.75	2.2 - 2.7	pink	100	-	7.2	12
4510092	0.75	2.2 - 2.7	orange	100	-	7.2	12
4510042	0.75	2.2 - 2.7	red	100	-	7.2	12
4510052	0.75	2.2 - 2.7	white	100	-	7.2	12
4510062	0.75	2.2 - 2.7	grey	100	-	7.2	12
4510922	0.75	2.2 - 2.7	Dark blue/white	100	-	7.2	12
4510162	0.75	2.2 - 2.7	ultra-marine blue	100	-	7.2	12
4510003	1	2.4 - 2.8	green/yellow	100	-	9.6	15
4510013	1	2.4 - 2.8	black	100	-	9.6	15
4510023	1	2.4 - 2.8	blue	100	-	9.6	15
4510143	1	2.4 - 2.8	dark blue	100	-	9.6	15

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Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	m/ring	m/spool	Copper index (kg/km)	Weight (kg/km)
4510033	1	2.4 - 2.8	brown	100	-	9.6	15
4510113	1	2.4 - 2.8	yellow	100	-	9.6	15
4510123	1	2.4 - 2.8	green	100	-	9.6	15
4510073	1	2.4 - 2.8	violet	100	-	9.6	15
4510083	1	2.4 - 2.8	pink	100	-	9.6	15
4510093	1	2.4 - 2.8	orange	100	-	9.6	15
4510043	1	2.4 - 2.8	red	100	-	9.6	15
4510053	1	2.4 - 2.8	white	100	-	9.6	15
4510063	1	2.4 - 2.8	grey	100	-	9.6	15
4510163	1	2.4 - 2.8	ultra-marine blue	100	-	9.6	15
4510923	1	2.4 - 2.8	Dark blue/white	100	-	9.6	15
4510001S	0.5	2.1 - 2.5	green/yellow	-	250	4.8	9
4510011S	0.5	2.1 - 2.5	black	-	250	4.8	9
4510021S	0.5	2.1 - 2.5	blue	-	250	4.8	9
4510141S	0.5	2.1 - 2.5	dark blue	-	250	4.8	9
4510031S	0.5	2.1 - 2.5	brown	-	250	4.8	9
4510111S	0.5	2.1 - 2.5	yellow	-	250	4.8	9
4510121S	0.5	2.1 - 2.5	green	-	250	4.8	9
4510071S	0.5	2.1 - 2.5	violet	-	250	4.8	9
4510091S	0.5	2.1 - 2.5	orange	-	250	4.8	9
4510041S	0.5	2.1 - 2.5	red	-	250	4.8	9
4510051S	0.5	2.1 - 2.5	white	-	250	4.8	9
4510061S	0.5	2.1 - 2.5	grey	-	250	4.8	9
4510002S	0.75	2.2 - 2.7	green/yellow	-	250	7.2	12
4510012S	0.75	2.2 - 2.7	black	-	250	7.2	12
4510022S	0.75	2.2 - 2.7	blue	-	250	7.2	12
4510142S	0.75	2.2 - 2.7	dark blue	-	250	7.2	12
4510032S	0.75	2.2 - 2.7	brown	-	250	7.2	12
4510112S	0.75	2.2 - 2.7	yellow	-	250	7.2	12
4510122S	0.75	2.2 - 2.7	green	-	250	7.2	12
4510072S	0.75	2.2 - 2.7	violet	-	250	7.2	12
4510082S	0.75	2.2 - 2.7	pink	-	250	7.2	12
4510092S	0.75	2.2 - 2.7	orange	-	250	7.2	12
4510102S	0.75	2.2 - 2.7	transparent	-	250	7.2	12

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Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	m/ring	m/spool	Copper index (kg/km)	Weight (kg/km)
4510042S	0.75	2.2 - 2.7	red	-	250	7.2	12
4510052S	0.75	2.2 - 2.7	white	-	250	7.2	12
4510062S	0.75	2.2 - 2.7	grey	-	250	7.2	12
4510162S	0.75	2.2 - 2.7	ultra-marine blue	-	250	7.2	12
4510003S	1	2.4 - 2.8	green/yellow	-	250	9.6	15
4510013S	1	2.4 - 2.8	black	-	250	9.6	15
4510023S	1	2.4 - 2.8	blue	-	250	9.6	15
4510143S	1	2.4 - 2.8	dark blue	-	250	9.6	15
4510033S	1	2.4 - 2.8	brown	-	250	9.6	15
4510123S	1	2.4 - 2.8	green	-	250	9.6	15
4510073S	1	2.4 - 2.8	violet	-	250	9.6	15
4510093S	1	2.4 - 2.8	orange	-	250	9.6	15
4510103S	1	2.4 - 2.8	transparent	-	250	9.6	15
4510043S	1	2.4 - 2.8	red	-	250	9.6	15
4510053S	1	2.4 - 2.8	white	-	250	9.6	15
4510063S	1	2.4 - 2.8	grey	-	250	9.6	15
4510163S	1	2.4 - 2.8	ultra-marine blue	-	250	9.6	15

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