

U.I. Lapp GmbH	PRODUCT INFORMATION	
	X07V-K with twin colour helix insulation	12.09.2012



Application range

Laying in tubes, exposed or buried in plaster, and in closed installation ducts
For direct laying on racks, troughs and tubes only as potential equalisation conductor

Design

Fine-wire strand made of bare copper wires
Core insulation: Based on PVC
Labelled with coloured stripes

Product features

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

Remark

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

Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Based on:	HD 21/VDE 0281
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	4 x outer diameter (OD) if used as defined for H07V-K 2 x OD for short-term bending
Nominal voltage:	U ₀ /U: 450/750 V
Test voltage:	2500 V
Current rating:	VDE 0298 Part 4 HD 516/VDE 0298-300
Temperature range:	Fixed installation: -30°C to +80°C

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Part number	Conductor cross-section (mm ²)	Outer diameter (mm)	Core colour	m/spool	m/box	Copper index (kg/km)	Weight (kg/km)
4522001K	1,5	3.4	Green/yellow		2000	14.4	22
4522261S	1,5	3.4	blue/white	150		14.4	22
4522261K	1,5	3.4	blue/white		2000	14.4	22
4522921S	1,5	3.4	Dark blue/white	150		14.4	22
4522931K	1,5	3.4	Dark blue/white		2000	14.4	22
4522201S	1,5	3.4	black/green	150		14.4	22
4522201K	1,5	3.4	black/green		2000	14.4	22
4522211S	1,5	3.4	black/red	150		14.4	22
4522211K	1,5	3.4	black/red		2000	14.4	22
4522231S	1,5	3.4	blue/black	150		14.4	22
4522231K	1,5	3.4	blue/black		2000	14.4	22
4522241S	1,5	3.4	blue/green	150		14.4	22
4522241K	1,5	3.4	blue/green		2000	14.4	22
4522251S	1,5	3.4	blue/red	150		14.4	22
4522251K	1,5	3.4	blue/red		2000	14.4	22
4522271S	1,5	3.4	brown/black	150		14.4	22
4522271K	1,5	3.4	brown/black		2000	14.4	22
4522291S	1,5	3.4	brown/white	150		14.4	22
4522291K	1,5	3.4	brown/white		2000	14.4	22
4522311S	1,5	3.4	yellow-red	150		14.4	22
4522311K	1,5	3.4	yellow-red		2000	14.4	22
4522331S	1,5	3.4	green-black	150		14.4	22
4522361S	1,5	3.4	violet-yellow	150		14.4	22
4522361K	1,5	3.4	violet-yellow		2000	14.4	22
4522371S	1,5	3.4	violet-white	150		14.4	22
4522371K	1,5	3.4	violet-white		2000	14.4	22
4522381S	1,5	3.4	orange-black	150		14.4	22
4522381K	1,5	3.4	orange-black		2000	14.4	22
4522391S	1,5	3.4	orange-white	150		14.4	22
4522391K	1,5	3.4	orange-white		2000	14.4	22
4522401S	1,5	3.4	red-black	150		14.4	22
4522401K	1,5	3.4	red-black		2000	14.4	22
4522411S	1,5	3.4	red-yellow	150		14.4	22
4522411K	1,5	3.4	red-yellow		2000	14.4	22

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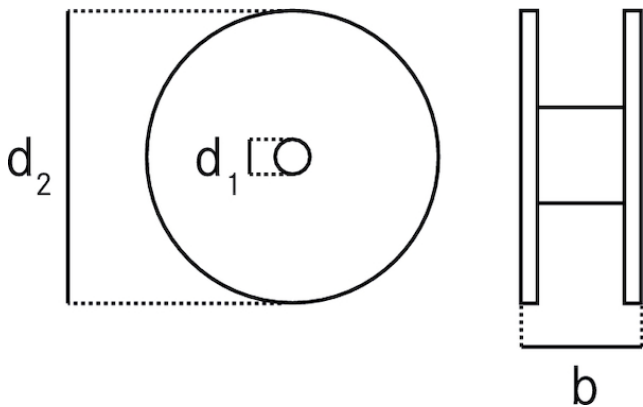
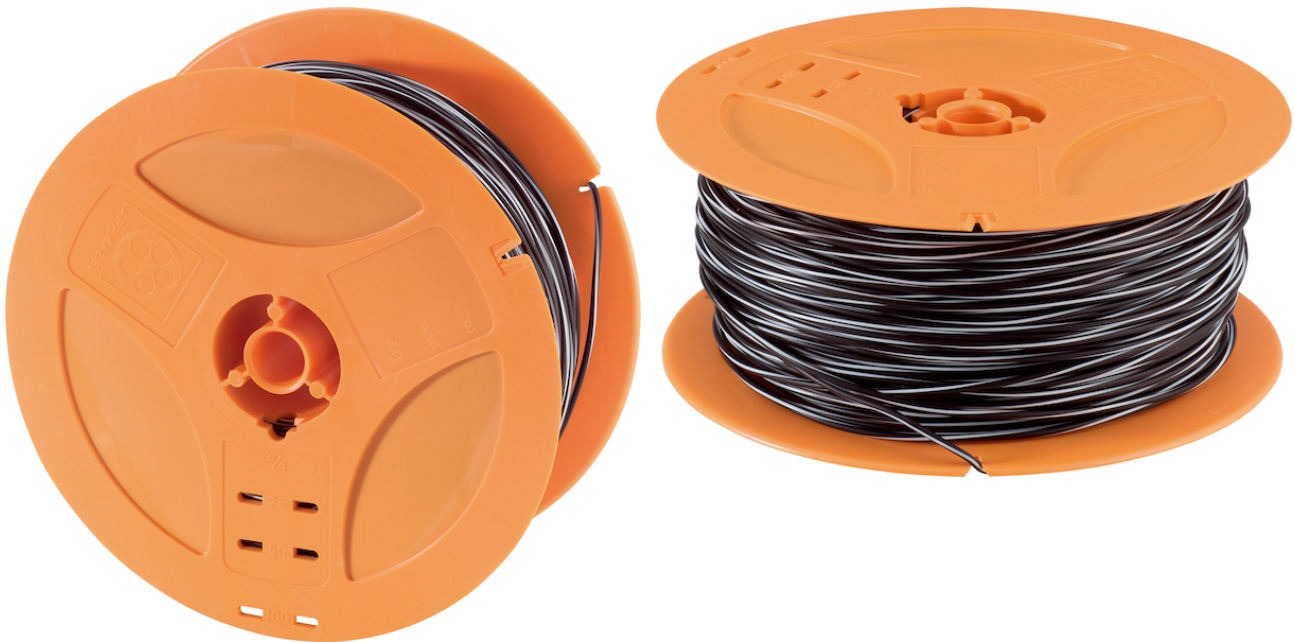
Part number	Conductor cross-section (mm ²)	Outer diameter (mm)	Core colour	m/spool	m/box	Copper index (kg/km)	Weight (kg/km)
4522421S	1,5	3.4	red-white	150		14.4	22
4522421K	1,5	3.4	red-white		2000	14.4	22
4522441S	1,5	3.4	white-blue	150		14.4	22
4522441K	1,5	3.4	white-blue		2000	14.4	22
4522461S	1,5	3.4	white-red	150		14.4	22
4522461K	1,5	3.4	white-red		2000	14.4	22
4522341S	1,5	3.4	green-white	150		14.4	22
4522221S	1,5	3.4	black/white	150		14.4	22
4522281S	1,5	3.4	brown/green	150		14.4	22
4522301S	1,5	3.4	yellow-black	150		14.4	22
4522321S	1,5	3.4	yellow-white	150		14.4	22
4522431S	1,5	3.4	white=black	150		14.4	22
4522451S	1,5	3.4	white-brown	150		14.4	22
4522471S	1,5	3.4	grey-black	150		14.4	22
4522002K	2,5	4.1	Green/yellow		1000	24.0	37
4522262S	2,5	4.1	blue/white	100		24.0	37
4522262K	2,5	4.1	blue/white		1000	24.0	37
4522922S	2,5	4.1	Dark blue/white	100		24.0	37
4522922K	2,5	4.1	Dark blue/white		1000	24.0	37
4522202K	2,5	4.1	black/green		1000	24.0	37
4522212S	2,5	4.1	black/red	100		24.0	37
4522212K	2,5	4.1	black/red		1000	24.0	37
4522232S	2,5	4.1	blue/black	100		24.0	37
4522232K	2,5	4.1	blue/black		1000	24.0	37
4522242S	2,5	4.1	blue/green	100		24.0	37
4522242K	2,5	4.1	blue/green		1000	24.0	37
4522252S	2,5	4.1	blue/red	100		24.0	37
4522252K	2,5	4.1	blue/red		1000	24.0	37
4522272S	2,5	4.1	brown/black	100		24.0	37
4522272K	2,5	4.1	brown/black		1000	24.0	37
4522292S	2,5	4.1	brown/white	100		24.0	37
4522292K	2,5	4.1	brown/white		1000	2.4	37
4522312S	2,5	4.1	yellow-red	100		24.0	37
4522312K	2,5	4.1	yellow-red		1000	24.0	37

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4522332S	2,5	4.1	green-black	100		24.0	37
4522362S	2,5	4.1	violet-yellow	100		24.0	37
4522362K	2,5	4.1	violet-yellow		1000	24.0	37
4522372S	2,5	4.1	violet-white	100		24.0	37
4522372K	2,5	4.1	violet-white		1000	24.0	37
4522382K	2,5	4.1	orange-black		1000	24.0	37
4522392S	2,5	4.1	orange-white	100		24.0	37
4522392K	2,5	4.1	orange-white		1000	24.0	37
4522402S	2,5	4.1	red-black	100		24.0	37
4522402K	2,5	4.1	red-black		1000	24.0	37
4522412S	2,5	4.1	red-yellow	100		24.0	37
4522412K	2,5	4.1	red-yellow		1000	24.0	37
4522422S	2,5	4.1	red-white	100		24.0	37
4522422K	2,5	4.1	red-white		1000	24.0	37
4522442S	2,5	4.1	white-blue	100		24.0	37
4522442K	2,5	4.1	white-blue		1000	24.0	37
4522462S	2,5	4.1	white-red	100		24.0	37
4522462K	2,5	4.1	white-red		1000	24.0	37
4522342S	2,5	4.1	green-white	100		24.0	37
4522222S	2,5	4.1	black/white	100		24.0	37
4522302S	2,5	4.1	yellow-black	100		24.0	37
4522322S	2,5	4.1	yellow-white	100		24.0	37
4522432S	2,5	4.1	white=black	100		24.0	37
4522452S	2,5	4.1	white-brown	100		24.0	37
4522472S	2,5	4.1	grey-black	100		24.0	37

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