

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® HEAT 145 SC*	12.09.2012

Electron beam cross-linked single cores for more demanding application requirements
 For safety in areas with high density of people
 Reduction of flame propagation and density and toxicity of smoke gases in event of fire
 Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires
 Certified for maritime applications



Info

Improved characteristics in the event of a fire
 Voltage class from 1.5 mm² 450/750 V
 Please note: Discontinued product!

Application range

For the wiring and connection of lighting, heating appliances, control cabinets, and distributors in mechanical and plant engineering

Design

Fine-wire, tinned-copper conductor
 Electron beam cross-linked polyolefin copolymer insulation

Product features

Halogen-free according to IEC 60754-1 Flame-retardant according to IEC 60332-1-2 No flame propagation according to IEC 60332-3-24 or IEC 60332-3-25
 Abrasion and notch-resistant

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 Appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

* Trade product, no Lapp product

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

Cross-section 0.25 mm² only available as 300 m box
 Cross-section 0.5 mm² only available as 200 m box
 Cross-section 1.0 - 4 mm² only available as 100 m box

Article number index of core colours: 000 = green-yellow / 001 = black / 002 = blue / 114 = dark blue / 003 = brown / 005 = yellow / 006 = green / 007 = violet / 009 = orange / 104 = red / 105 = white / 106 = grey

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Technical Data

Core identification code:	refer to article table
Approvals:	GL (Germanischer Lloyd)
Conductor stranding:	Fine wire according to VDE 0295, class 5/ IEC 60228 class 5 from 0.5 mm ²
Minimum bending radius:	Fixed installation: 4 x outer diameter
Nominal voltage:	Up to 1.0mm ² U ₀ /U 300/500 V From 1.5mm ² U ₀ /U 450/750 V 0.6/1kV from 1.5 mm ² in the case of fixed and protected installation
Test voltage:	3500 V
Temperature range:	Fixed installation: -55 °C to +125 °C Short-term: up to +145 °C

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Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
0181001	0,25	1,6	black	2.4	5.0
0181002	0,25	1,6	blue	2.4	5.0
0181005	0,25	1,6	yellow	2.4	5.0
0181006	0,25	1,6	green	2.4	5.0
0181104	0,25	1,6	red	2.4	5.0
0181105	0,25	1,6	white	2.4	5.0
0181106	0,25	1,6	grey	2.4	5.0
0182000	0,5	1,9	Green/yellow	4.8	8.0
0182001	0,5	1,9	black	4.8	8.0
0182002	0,5	1,9	blue	4.8	8.0
0182003	0,5	1,9	brown	4.8	8.0
0182005	0,5	1,9	yellow	4.8	8.0
0182006	0,5	1,9	green	4.8	8.0
0182007	0,5	1,9	violet	4.8	8.0
0182009	0,5	1,9	orange	4.8	8.0
0182104	0,5	1,9	red	4.8	8.0
0182105	0,5	1,9	white	4.8	8.0
0182106	0,5	1,9	grey	4.8	8.0
0183000	0,75	2,2	Green/yellow	7.2	11.0
0183001	0,75	2,2	black	7.2	11.0
0183002	0,75	2,2	blue	7.2	11.0
0183114	0,75	2,2	Dark blue	7.2	11.0
0183003	0,75	2,2	brown	7.2	11.0
0183005	0,75	2,2	yellow	7.2	11.0
0183006	0,75	2,2	green	7.2	11.0
0183007	0,75	2,2	violet	7.2	11.0
0183009	0,75	2,2	orange	7.2	11.0
0183104	0,75	2,2	red	7.2	11.0
0183105	0,75	2,2	white	7.2	11.0
0183106	0,75	2,2	grey	7.2	11.0
0184000	1	2,4	Green/yellow	9.6	14.0
0184001	1	2,4	black	9.6	14.0
0184002	1	2,4	blue	9.6	14.0
0184114	1	2,4	Dark blue	9.6	14.0

Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
0184003	1	2,4	brown	9.6	14.0
0184005	1	2,4	yellow	9.6	14.0
0184006	1	2,4	green	9.6	14.0
0184104	1	2,4	red	9.6	14.0
0184105	1	2,4	white	9.6	14.0
0184106	1	2,4	grey	9.6	14.0
0185000	1,5	3.0	Green/yellow	14.4	21.0
0185001	1,5	3.0	black	14.4	21.0
0185002	1,5	3.0	blue	14.4	21.0
0185114	1,5	3.0	Dark blue	14.4	21.0
0185003	1,5	3.0	brown	14.4	21.0
0185005	1,5	3.0	yellow	14.4	21.0
0185006	1,5	3.0	green	14.4	21.0
0185007	1,5	3.0	violet	14.4	21.0
0185009	1,5	3.0	orange	14.4	21.0
0185104	1,5	3.0	red	14.4	21.0
0185105	1,5	3.0	white	14.4	21.0
0185106	1,5	3.0	grey	14.4	21.0
0186000	2,5	3,7	Green/yellow	24.0	33.0
0186001	2,5	3,7	black	24.0	33.0
0186002	2,5	3,7	blue	24.0	33.0
0186114	2,5	3,7	Dark blue	24.0	33.0
0186003	2,5	3,7	brown	24.0	33.0
0186005	2,5	3,7	yellow	24.0	33.0
0186006	2,5	3,7	green	24.0	33.0
0186007	2,5	3,7	violet	24.0	33.0
0186009	2,5	3,7	orange	24.0	33.0
0186104	2,5	3,7	red	24.0	33.0
0186105	2,5	3,7	white	24.0	33.0
0186106	2,5	3,7	grey	24.0	33.0
0187000	4	4,2	Green/yellow	38.4	49.0
0187001	4	4,2	black	38.4	49.0
0187002	4	4,2	blue	38.4	49.0
0187003	4	4,2	brown	38.4	49.0

Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
0187005	4	4,2	yellow	38.4	49.0
0187006	4	4,2	green	38.4	49.0
0187009	4	4,2	orange	38.4	49.0
0187104	4	4,2	red	38.4	49.0
0187105	4	4,2	white	38.4	49.0
0188000	6	4,7	Green/yellow	57.6	67.0
0188001	6	4,7	black	57.6	67.0
0188002	6	4,7	blue	57.6	67.0
0188114	6	4,7	Dark blue	57.6	67.0
0188003	6	4,7	brown	57.6	67.0
0188005	6	4,7	yellow	57.6	67.0
0188104	6	4,7	red	57.6	67.0
0188105	6	4,7	white	57.6	67.0
0189000	10	6,1	Green/yellow	96.0	112.0
0189001	10	6,1	black	96.0	112.0
0189002	10	6,1	blue	96.0	112.0
0189114	10	6,1	Dark blue	96.0	112.0
0189104	10	6,1	red	96.0	112.0
0190000	16	7,5	Green/yellow	154.0	172.0
0190001	16	7,5	black	154.0	172.0
0190002	16	7,5	blue	154.0	172.0
0191000	25	9.0	Green/yellow	240.0	262.0
0191001	25	9.0	black	240.0	262.0
0192000	35	10,1	Green/yellow	336.0	362.0
0192001	35	10,1	black	336.0	362.0
0193000	50	12,7	Green/yellow	480.0	512.0
0193001	50	12,7	black	480.0	512.0
0194000	70	14,7	Green/yellow	672.0	710.0
0194001	70	14,7	black	672.0	710.0
0195001	95	16,4	black	912.0	937.0
0196001	120	18,2	black	1152.0	1159.0
0197000	150	20,9	Green/yellow	1440.0	1447.0
0197001	150	20,9	black	1440.0	1447.0
0198001	185	22,9	black	1776.0	1790.0

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12.09.2012

Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
0199001	240	25,8	black	2304.0	2318.0

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