

Electron beam cross-linked cores for increased application requirements

Product Description

Safety in areas with high personnel concentration; Reduction of flame propagation and density and toxicity of smoke gases in event of fire; Minimizes damage to buildings and equipment caused by the formation of toxic acid fumes in fires; Certified for maritime application



Application range

- Suitable for wiring respectively connection of lighting, heating appliances, switch gear cabinets and distributors in mechanical engineering and plant construction

Benefits

- Safety in areas with high personnel concentration
- Reduction of flame propagation and density and toxicity of smoke gases in event of fire
- Minimizes damage to buildings and equipment caused by the formation of toxic acid fumes in fires
- Certified for maritime application

Design

- Fine strands of tinned copper wires
- 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
- Good moisture, ozone- and UV resistance
- Abrasion and notch resistant



Technical Data

Core identification code

see article table

Approvals

GL (Germanischer Lloyd)

Specific insulation resistance

>2 TOhm x cm

Conductor stranding

Fine wire according to VDE 0295, Class 5 / IEC 60228 Cl. 5 from 0.5 mm²

Minimum bending radius

Fixed installation: 4 x cable diameter

Rated voltage

Up to 1.0mm² U0/U 300/500 V From 1.5mm² U0/U 450/750 V

0.6/1kV from 1.5mm² with fixed and protected installation

Test voltage

3500 V

Range of temperature

Fixed installation: -55°C up to +125°C Temporary: up to +145°C

Article List

Part number	Conductor cross section in mm ²	Outer diameter in mm	Wire 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	greenyellow	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	purple	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	greenyellow	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	purple	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	greenyellow	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
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	greenyellow	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	purple	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	greenyellow	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	purple	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	greenyellow	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
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	greenyellow	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	greenyellow	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	greenyellow	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	greenyellow	240.0	262.0
0191001	25	9.0	black	240.0	262.0
0192000	35	10,1	greenyellow	336.0	362.0
0192001	35	10,1	black	336.0	362.0
0193000	50	12,7	greenyellow	480.0	512.0
0193001	50	12,7	black	480.0	512.0
0194000	70	14,7	greenyellow	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	greenyellow	1440.0	1447.0
0197001	150	20,9	black	1440.0	1447.0



0198001	185	22,9	black	1776.0	1790.0
0199001	240	25,8	black	2304.0	2318.0

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

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

Packaging size: Coil \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

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

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

Part number index of core colours: 000 =greenyellow / 001 =black/ 002 =blue/ 114 =darkblue / 003 =brown / 005 = yellow / 006 =green / 007 =purple / 009 =orange / 104 =red / 105 =white / 106 =grey