



LIH 155 EVA Copolymer halogenfree

Construction

- Conductor: Flexible tin coated annealed copper wires
class 5 IEC EN 60228
- Insulation: EVA based cross linked compound LEV150EVA
- Temperature rating: -50°C to +155°
- Max laying stress during installation: 50 N/mm²
- Nominal Voltage: U₀/U 450/750 V (0,6/1 kV)
- Test Voltage: 2500 V
- Printing: size" qmm 155 °C HALOGEN FREE

Characteristics

- Before ageing Tensile strength: min 9,0 N/mm² / Elongation at break: min. 150%
- After ageing in air oven (120°C x 240 h) Tensile strength: max variation ± 30% / Elongation at break: max variation ± 30%
- After ageing in mineral oil IRM902 / ASTM2 (100°C x 72 h) Tensile strength: max variation ± 40% / Elongation at break: max variation ± 30%
- After ageing in Diesel fuel IRM903 (70°C x 168 h) / Elongation at break: max variation ± 40%
- Bending test after ageing (155°C x 14 days) NO CRACKS
- Bending test after ageing (180°C x 3 days) NO CRACKS
- Bending test at low temperature (-50°C) NO CRACKS

Further details. drawings or other specs.

- Use admitted up to 1000 V in fixed and protected installation (in pipes, inside equipments, switchgear or control-panel).
- Application: for electric motors, automotive, power installation.
- Compatibility with class F varnishes, Ozone, UV, Mineral Oil. Excellent tearing resistance
- Minimum bending radius: 4 times the max. outer for fix installation.
- Flame retardant: according to IEC60332-1
- Halogen free, RoHS compliant

Ø mm ²	Construction mm	max. conductor resist. 20°C 0hm/km	Ø Insulation Thickness	min. mInsulation thickness	Outer-Ø mm	Articlenumber
0,50	16 x 0,20	40,1	0,60 mm	0,44 mm	2,1 +/- 0,10	63100050 + color
0,75	24 x 0,20	26,7	0,60 mm	0,44 mm	2,3 +/- 0,10	63100075 + color

Ø mm²	Construction mm	max. conductor resist. 20°C 0hm/km	ØInsulation Thickness	min. mInsulation thickness	Outer- Ø mm	Articlenumber
1,00	32 x 0,20	20,0	0,60 mm	0,44 mm	2,5 +/- 0,10	63100100 + color
1,50	28 x 0,25	13,7	0,60 mm	0,44 mm	2,80 +/- 0,10	63100150 + color
2,50	47 x 0,25	8,21	0,60 mm	0,44 mm	3,4 +/- 0,10	63100250 + color
4,00	54 x 0,30	5,09	0,80 mm	0,62 mm	4,2 +/- 0,10	63100400 + color
6,00	80 x 0,40	3,39	0,80 mm	0,62 mm	4,8 +/- 0,10	63100600 + color
10,00	74 x 0,40	1,95	1,00 mm	0,80 mm	6,10 +/- 0,20	63101000 + color
16,00	115 x 0,40	1,24	1,00 mm	0,80 mm	7,10 +/- 0,20	63101600 + color
25,00	179 x 0,40	0,795	1,20 mm	0,98 mm	8,70 +/- 0,20	63101600 + color
35,00	251 x 0,40	0,565	1,20 mm	0,98 mm	9,90 +/- 0,20	63103500 + color
50,00	364 x 0,40	0,393	1,40 mm	1,16 mm	11,6 +/- 0,30	63105000 + color
70,00	336 x 0,40	0,277	1,40mm	1,16 mm	13,3 +/- 0,30	63107000 + color

Ø mm²	Construction mm	max. conductor resist. 20°C 0hm/km	ØInsulation Thickness	min. mInsulation thickness	Outer-Ø mm	Articlenumber
95,00	444 x 0,50	0,210	1,60 mm	1,34 mm	15,2 +/- 0,40	63109500 + color
120,00	576 x 0,50	0,164	1,60 mm	1,34 mm	17,0 +/- 0,40	63112000 + color
150,00	708 x 0,50	0,132	1,80 mm	1,52 mm	18,9 +/- 0,40	63115000 + color
185,00	832 x 0,50	0,108	2,0 mm	1,70 mm	21,0 +/- 0,50	63118500 + color
240,00	1142 x 0,50	0,0817	2,2 mm	1,77 mm	23,9 +/- 0,50	63124000 + color

- Further formats available on request
- All data and products subject to change