TRAGO / Lift-2S Lift and Hoist Control Cables 300/500V

Technical data

- Lift hoist control cables with strain bearing element
- Special PVC-compound for core and jacket, adapted to DIN VDE 0250
- **Temperature range**
  flexing -15°C to +40°C
  fixed installation -40°C to +70°C
- **Max. conductor temperature**
  under load +70°C
  circuit conditions +150°C
- **Nominal voltage**
  U_0/U 300/500 V
- **Test voltage** 3000 V
- **Breakdown voltage** min. 6000 V
- **Free suspension height** max. 50 m
- **Minimum bending radius**
  approx. 20x cable Ø

Cable construction

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 6, BS 6360 cl. 6 and IEC 60228 cl. 6
- Special PVC core insulation, YI3 to DIN VDE 0207 part 4
- Core coding to DIN VDE 0293
- Green-yellow earth core
- Special hemp support braid
  for **Trago** type with central support core of hemp
  for **Lift-2S** type with 2 outer steel support wires
- Cores stranded in layers with optimal lay-length
- Multi-layer wrapping functioning as a support braid
- Special PVC outer jacket YM2 to DIN VDE 0207 part 5
- Colour black (RAL 9005)

Properties

- PVC self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- Art.no. 25090 - C = 2 cores 0,5 mm² with copper braiding.
- Art.no. 25101 = 7G1 + 17x0,75 mm².
- G = with green-yellow earth core.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

These cables are used as control or feeder cables in lifts and hoists. The special attention given to both production and material quality for these cables has made them ideal even for use under extreme conditions.
HELUKABEL®-Lift-2S has also proven itself to be ideally suited for installation in conveyor systems and manual control units.
The external steel support wires can be dismounted without damaging the cable insulation.
CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

TRAGO with central support

Part No.	No.cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	Support core	Pendal length ca. m	AWG-No.
25080	7 G 0,75	15,4	50,0	290,0	Hemp	250	18
25081	12 G 0,75	19,2	86,0	360,0	Hemp	220	18
25082	18 G 0,75	21,0	130,0	455,0	Hemp	110	18
25083	24 G 0,75	23,0	173,0	535,0	Hemp	90	18
25084	7 G 1	14,9	67,0	222,0	Hemp	80	17
25101	7 G 1	21,5	190,0	595,0	Hemp	90	17
25085	12 G 1	20,0	115,0	415,0	Hemp	80	17
25086	18 G 1	21,4	173,0	450,0	Hemp	70	17
25087	20 G 1	21,6	192,0	490,0	Hemp	70	17
25088	24 G 1	23,2	230,0	605,0	Hemp	60	17
25090	28 G 1	26,0	293,0	760,0	Hemp	90	17
25089	36 G 1	29,0	346,0	950,0	Hemp	90	17

Lift-2S with 2 external support cores

Part No.	No.cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	Support core	Pendal length ca. m	AWG-No.
25091	12 G 1	14,9	115,2	446,0	Steel	0	17
25092	18 G 1	17,1	172,8	528,0	Steel	0	17
25093	25 G 1	21,0	240,0	660,0	Steel	0	17
25094	30 G 1	21,9	288,0	760,0	Steel	0	17
25095	8 G 1,5	14,9	115,0	425,0	Steel	0	16
25096	12 G 1,5	16,5	172,8	505,0	Steel	0	16
25097	15 G 1,5	18,6	230,0	575,0	Steel	0	16
25098	18 G 1,5	19,3	259,0	640,0	Steel	0	16
25099	20 G 1,5	21,0	288,0	715,0	Steel	0	16
25100	24 G 1,5	22,6	346,0	820,0	Steel	0	16

Dimensions and specifications may be changed without prior notice.