

Reelable cables for medium and high mechanical stress

Product Description

The concentric supporting element compensates the applied tensile forces and enables the free-hanging cable reeling resp. deflection process over long distances; Wherever reeling, unreeling and guiding operations also impose tensile stresses on cables; Integrated supporting braid prevents undesirable cable twists as well as the formation of so-called corkscrew effects



Application range

- For use in hoists, transport and conveyor systems
- Wherever cables are reeled, unreeling or also guided by roller trains
- In dry and damp rooms, outdoors as well as in industrial water

Benefits

- The concentric supporting element compensates the applied tensile forces and enables the free-hanging cable reeling resp. deflection process over long distances
- Wherever reeling, unreeling and guiding operations also impose tensile stresses on cables
- Integrated supporting braid prevents undesirable cable twists as well as the formation of so-called corkscrew effects

Design

- Strands of tinned copper wires
- Core insulation: Rubber Type 3GI3
- Central supporting element
- Support braid integrated in the outer sheath
- Outer jacket of rubber Type 5GM5



Approvals (Norm references)

- Application profiles for ÖLFLEX® CRANE cables see Appendix, Selection table A3
- Assembly guidelines for ÖLFLEX® CRANE cables see Appendix, Selection table T4

Product features

- Flame retardant according to IEC 60332-1-2
- Oil resistant according to EN 60811-2-1
- Good chemical, thermal and mechanical resistance
- Suitable for connection of mobile equipment in hazardous areas acc. to DIN VDE 0165

Technical Data

Core identification code

Up to 5 cores: colour coded according VDE

0293-308, see Appendix T9

Starting at 6 cores: Black with white numbers

Specific insulation resistance

> 10 GOhm x cm

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC

60228 Class 5

Minimum bending radius

Flexible use: 7,5 x outer diameter

Rated voltage

U0/U: 600/1000 V

Test voltage

3000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Current rating

VDE 298 part 4

Range of temperature

Flexible use: -25°C up to +60°C

Max. cond. temperature: +80°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Tension load capacity in N	Copper index kg/km	Weight kg/km
ÖLFLEX® CRANE VS (N)SHTÖU					
0044008	7 G 1,5	18.8	2000	115.0	430
0044009	12 G 1,5	25.3	2000	196.0	820
0044010	18 G 1,5	25.3	2000	271.0	930



0044011	24 G 1,5	30.1	2000	392.0	1260
0044036	36 G 1,5	34.0	2000	588.0	1650
0044015	7 G 2,5	21.6	2000	180.0	630
0044016	12 G 2,5	29.4	2000	308.0	1150
00440333	5 G 4	19.6	2000	220.0	510
00440223	4 G 10	23.4	2000	404.0	830
00440233	4 G 16	25.5	2000	642.0	1170
00440323	5 G 16	27.5	2400	768.0	1400
00440243	4 G 25	32.6	3000	1005.0	1850
00440253	4 G 35	34.8	4000	1410.0	2250
00440263	4 G 50	40.6	6000	2010.0	3200
00440283	4 G 70	44.8	8000	2688.0	4200
00440293	4 G 95	51.2	11000	3648.0	5550

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.