

Steel armoured PTFE cables for increased mechanical stress

Product Description

Close-meshed braid made of galvanised steel wires protects against mechanical damage; Thin outer diameters for maximum saving of space and weight; Germanischer Lloyd approval for use at ship diesel engines



Application range

- Extremely high temperatures in addition with mechanical stress require special insulated and armoured cables
- Main applications - Ship building - Signal systems - Monitoring devices - Diesel engines - Steam boiler units - Turbine manufacture

Benefits

- Close-meshed braid made of galvanised steel wires protects against mechanical damage
- Thin outer diameters for maximum saving of space and weight
- Germanischer Lloyd approval for use at ship diesel engines

Design

- Fine strands of nickel-plated copper wires
- PTFE based core insulation
- Cores twisted together
- Impregnated glass fibre braiding
- Galvanised steel wire braiding

Product features

- Difficult to inflame
- Stress tearing resistant under frequently ambient thermal fluctuations
- High dielectric strength and high abrasion resistance
- High elongation resistance and tear strength
- Only suitable for installation in dry conditions



Technical Data

Core identification code

Up to 5 cores: colour coded according VDE 0293-308, see Appendix T9
7-core version: gn/ye, bl, bn, bk, bk, bk, tr

Approvals

GL (Germanischer Lloyd)

Specific insulation resistance

> 1 TOhm x cm

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

Minimum bending radius

In fixed installations: 5 x cable diameter

Rated voltage

U0/U 300/500V according to GL: 250 V

Test voltage

1500 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

Fixed installation: -190°C up to +260°C

In accordance with GL: +205 °C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® HEAT 260 GLS				
0091120	2 X 1,5	5,7	29.0	93
0091121	3 G 1,5	6,1	43.0	102
00911223	4 G 1,5	6,6	58.0	130
00911233	5 G 1,5	7,3	72.0	149
0091124	7 G 1,5	8.0	101.0	180

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 ≤ 30 kg and ≤ 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.