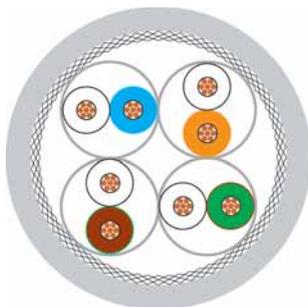


Industrial Ethernet

SHIPLINE

HELUKAT® 600IND

S/FTP, Category 7



Type

Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Stranding element:
Separator:
Shielding 1:
Screen 1 over stranding:
Screen 2 over stranding:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

Marine and Offshore

S/FTP 4x2xAWG 24/7 (stranded) FRNC

Copper, bare (AWG 24/7)
Foam-skin-PE
wh/bu, wh/og, wh/gn, wh/bn
Double core
-
Al-Foil
Cu braid
-
FRNC
app. 9,1 mm ± 0,3 mm
Grey similar to RAL 7035

Electrical data

Characteristic impedance:

Loop resistance:
Mutual capacitance:
Relative propagation velocity:

100 Ohm ± 15 Ohm at 1 to 100 MHz
100 Ohm ± 20 Ohm at 101 to 600 MHz
168 Ohm/km max.
43 nF/km nom.
72 %

Typical values

| Frequency (MHz) | 10 | 16 | 62,5 | 100 | 200 | 600 |
|----------------------|------|------|------|------|------|------|
| Attenuation (dB/10m) | 0,7 | 0,8 | 1,6 | 2,1 | 3,1 | 5,2 |
| Next (db) | 90,0 | 90,0 | 85,0 | 81,0 | 76,0 | 68,0 |
| ACR (db) | 89,3 | 89,2 | 83,4 | 78,9 | 72,9 | 62,8 |

Technical data

Weight: app. 85 kg/km
bending radius, repeated: 85 mm
Operating temperature range min.: -20°C
Operating temperature range max.: +75°C
Caloric load, approx. value: 0,80 MJ/m
Copper weight: 36,00 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7, Flame-retardant acc. to IEC 60332-3, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3, Oil-resistant

Application

HELUKAT® 600IND Category 7 Shipline is designed specially for use in shipbuilding and exceptionally well-suited for Ethernet applications. It guarantees excellent transmission characteristics and may be used even under the harshest conditions. The cable listed here is certified by **German Lloyd**; this means it is designed for flexible marine and offshore applications.

Part no.

803382, S/FTP 4x2xAWG 24/7 stranded FRNC (S-STP)

Dimensions and specifications may be changed without prior notice.