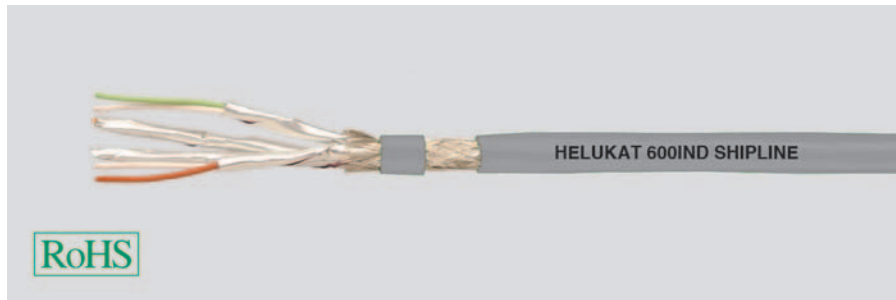
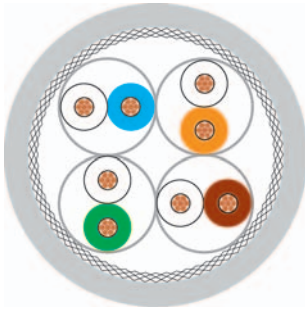


Industrial Ethernet

SHIPLINE

HELUKAT® 600IND

S/FTP, Category 7



Type

Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Stranding element:
Shielding 1:
Shielding 2:
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
-
Polyester foil, aluminium-lined
Cu braid
-
FRNC
app. 9,1 mm ± 0,3 mm
Grey similar to RAL 7035

Electrical data

Characteristic impedance: 100 Ohm ± 15 ohm at 1 to 100 MHz
100 Ohm ± 20 ohm at 101 to 600 MHz
Loop resistance: 168 Ohm/km max.
Mutual capacitance: 43 nF/km nom.
Relative propagation velocity: 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 Cat 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.