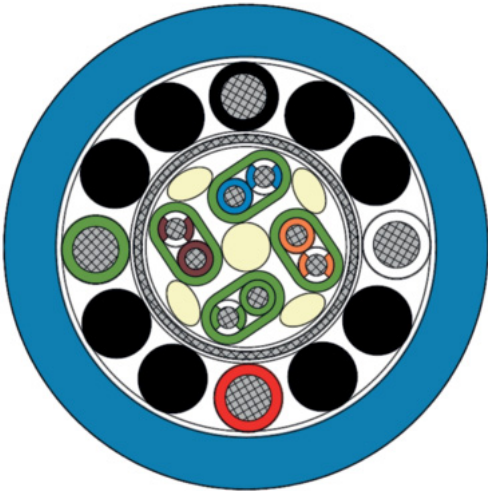


Cables for marine technology

Special CATLine CAT6

flexible, halogen-free Ethernet cable



OPERATING DEPTH
up to **6.000 metres**

Construction:

Conductor:	24 AWG: silver-plated copper strands, fine wires 18 AWG: tinned copper strands, fine wires
Insulation:	FEP
Colour code:	24 AWG: blue-white/blue, orange-white/orange, green-white/green, brown-white/brown 18 AWG: black, white, red, green
Stranding:	24 AWG: pairwise
Inner sheath:	SABIX®
Stranding:	24 AWG: sheathed pairs stranded in a specially adjusted layer, wrapped with alu/PETP foil
Screen:	24 AWG: tinned copper braiding, optical coverage approx. 85%
Stranding:	core: (4x2x24AWG)Cat.6 wrapped with PETP foil. Outer layer: cores 18 AWG wrapped with non-woven tape
Sheath material:	PUR
Sheath colour:	sky blue (RAL 5015)
Marking:	SAB BRÖCKSKES · D-VIERSEN · Special CATLine Cat.6 (4x2x24AWG)Cat.6 + 4x18AWG <SAB Article no.> CE <SAB ID no.>

Abmessung mm ²	outer-ø approx. mm	copper figure kg/km	cable weight in salt water ≈ kg/km	cable weight in air ≈ kg/km	ohmic resistance at 20 °C max. Ω/km
(4x2xAWG24) Cat.6 + 4xAWG18	14,0	82,8	76	235	AWG24: 85 AWG18: 21

Other dimensions and colours are possible on request.

Technical data:

Operating voltage	Testing voltage	Temperature range
AWG18: 600 V AWG24: 250 V	AWG24 AWG18 core/core: 1500 V 2500 V core/screen: 1200 V 2500 V	fixed laying: -50°C/+90°C flexible application: -40°C/+90°C

Min. bending radius	Chemical resistance	Absence of harmful substances
fixed laying: 130 mm flexible application: 130 mm	good against acids, alkalines, solvents, hydraulic liquids etc.	acc. to RoHS directive of the European Union

REACH	Data transmission
The product does not contain any SVHC (Substance of Very High Concern) acc. to REACH Regulation (EC no. 1907/2006)	Characteristic impedance 100 Ω ± 15 Ω. The element (4x2x26AWG) fulfils the transmission requirements with reference to EN 50288-5-2 (Cat.6 acc. to EN 50173)

- + high tensile strength
- + high tear strength
- + high abrasion resistance
- + high notch resistance
- + high shear strength
- + very good oil resistance
- + good resistance against UV rays, ozone and vapours and resistant to water

