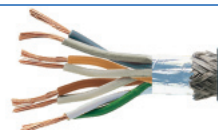


# INDUSTRIAL ETHERNET CABLES FOR MARITIME USE

**CATLine** CAT 5e BL  
CAT 6A BL  
CAT 7A BL Halogen-free Ethernet Cables for maritime use



4x2x24AWG 17474421 AWM Style 21080 75°C 300V CE

Marking for CATLine CAT 7A BL 17474421: SAB BRÖCKSKES ·  
D-VIERSEN · CATLine Cat.7A BL 4x2x24AWG 17474421 AWM Style 21080 75°C 300V CE

Industrial Ethernet is a quickly developing network technology. Ethernet with the worldwide accepted TCP/IP (Transmission Control Protocol/Internet Protocol) will be the future connection to the well established field bus or sensor / actuator level. Depending on the application, we are able to offer today CAT 5, CAT 6 and CAT 7 cable solutions for flexible and continuous flex use, for chemical and thermal stress as well as special cable constructions for reeling purpose and robot operation. Specifically designed for use in the marine industry, we have developed CAT 5e, CAT 6A and CAT 7A cables with ABS Type Approval and UL Approval for marine applications.

item no.	type	dimension AWG	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 15479001	CATLine CAT 5e BL	24 (= 7/32)/2pr	0.224	5.7	32
▶ 15479002	CATLine CAT 5e BL	22 (= 7/30)/2pr	0.252	6.4	41
▶ 15474621	CATLine CAT 5e BL	26 (= 7/34)/4pr	0.287	7.3	43
▶ 16474621	CATLine CAT 6A BL	26 (= 7/34)/4pr	0.287	7.3	43
▶ 16474421	CATLine CAT 6A BL	24 (= 7/32)/2pr	0.327	8.3	54
▶ 17474621	CATLine CAT 7A BL	26 (= 7/34)/4pr	0.350	8.9	57
▶ 17474421	CATLine CAT 7A BL	24 (= 7/32)/4pr	0.413	10.5	78

Other dimensions and colors are possible on request.

Construction:	CATLine CAT 5e BL		CATLine CAT 6A BL	CATLine CAT 7A BL
Item number:	15479001 15479002	15474621	16474621 / 16474421	17474621 / 17474421
Dimension:	2 x 2 x 24 AWG 2 x 2 x 22 AWG	4 x 2 x 26 AWG	4 x 2 x 26 AWG / 2 x 2 x 24 AWG	4 x 2 x 26 AWG / 4 x 2 x 24 AWG
Conductor:	bare copper strands, fine wires			
Insulation:	special polymer			
Color code:	blue, yellow, white, orange	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown		
Stranding:	star quad	conductors twisted to pairs, pairs together		conductors twisted to pairs, pairs screened with foil, pairs together
Wrapping:	alu foil			
Screen:	tinned copper braiding			
Jacket material:	special SABIX®			
Jacket color:	black			

Technical data:	CATLine CAT 5e BL		CATLine CAT 6A BL	CATLine CAT 7A BL
Peak operating voltage:	max. 90 V			
Voltage UL:	300 V			
Testing voltage:	conductor/conductor 1500 V - conductor/screen 1200 V			
Temperature range VDE fixed laying: flexible application:	UL: up to + 75°C - 40°C / + 70 °C - 30°C / + 70 °C			
Min. bending radius fixed laying: flexible application (only 7 wires):	5 x O.D. 10 x O.D.			
Characteristic impedance (100 MHz): accomplishes the electrical and transmission requirements with high frequency	100Ω ± 5Ω with reference to EN 50288-2-2 / CAT 5	100Ω ± 10Ω with reference to EN 50288-2-2 / CAT 5	100Ω ± 10Ω with reference to EN 50288-10-2 / CAT 6A	100Ω ± 10Ω with reference to EN 50288-9-2 / CAT 7A
Zero halogen:	acc. to IEC 60754-1			
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, no flame propagation acc. to IEC 60332-3-22 cat. A, UL Horizontal Flame Test FT2, UL AWM Style 21080			
Corrosiveness of conflagration gases:	IEC 60754-2 - no development of corrosive conflagration gases			
Smoke density:	acc. to DIN EN 61034			
Flexibility:	good			
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30			

## Outstanding features:

- ▶ ABS Type Approval
- ▶ TR IEC 60092-370
- ▶ halogen-free
- ▶ asbestos-free
- ▶ flame retardant and self-extinguishing
- ▶ no flame propagation
- ▶ UL recognized



especially  
for use in  
shipbuilding  
industry

E-mail: [info@sabcable.com](mailto:info@sabcable.com)



Web site: [www.sabcable.com](http://www.sabcable.com)