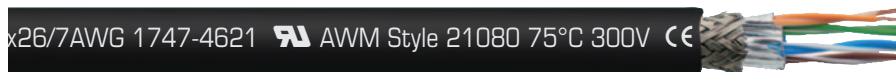


# Industrial Ethernet Cables

**CATLine CAT 5e BL**

**CATLine CAT 6A BL** halogen-free Ethernet cable for maritime use

**CATLine CAT 7A BL**



Marking for CATLine CAT 7A BL 17474621:

SAB BRÖCKSKES · D-VIERSEN · CATLine Cat.7A BL 4x2x26/7AWG 1747-4621 AWM Style 21080 75°C 300V CE

**ABS**

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<b>Construction:</b>	CATLine CAT 5e BL		CATLine CAT 6A BL	CATLine CAT 7A BL
<b>Dimension:</b>	2 x 2 x 24 AWG 2 x 2 x 22 AWG	4 x 2 x 26 AWG	4 x 2 x 24 AWG, 4 x 2 x 26 AWG	
<b>Conductor:</b>	bare copper strands, fine wires			
<b>Insulation:</b>	special polymer			
<b>Colour code:</b>	blue, yellow, white, orange	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown		
<b>Stranding:</b>	star quad	cores twisted to pairs, pairs together		cores twisted to pairs, pairs screened with foil, pairs together
<b>Screen:</b>	alu foil and tinned copper braiding			tinned copper braiding
<b>Sheath material:</b>	special SABIX®			
<b>Sheath colour:</b>	black			

<b>Technical data:</b>	CATLine CAT 5e BL		CATLine CAT 6A BL	CATLine CAT 7A BL
<b>Item number:</b>	1547-9001 1547-9002	1547-4621	1647-4621, 1647-4421	1747-4621, 1747-4421
<b>Peak operating voltage:</b>	max. 90 V			
<b>Voltage UL:</b>	300 V			
<b>Testing voltage</b> core/core: core/screen:	2000 V 2000 V			
<b>Min. bending radius</b> fixed laying: flexible application (only 7 wires):	5 x d 10 x d			
<b>Temperature range VDE</b> fixed laying: flexible application:	UL: up to +75 °C -40/+70 °C -30/+70 °C			
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1			
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, no flame propagation acc. to IEC 60332-3-22 + VDE 0482-332-3-22 Cat. A, UL Horizontal Flame Test FT2, UL AWM Style 21080			
<b>Corrosiveness of conflagration gases:</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases			
<b>Smoke density:</b>	acc. to IEC 61034 + VDE 0482-1034			
<b>Characteristic impedance (100 MHz):</b>	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to EN 50288-2-2 / CAT 5	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to EN 50288-10-2 / CAT 6A	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to EN 50288-9-2 / CAT 7A	
<b>Flexibility:</b>	good			
<b>UL Style:</b>	21080			
<b>Application:</b>	suitable for EtherCAT and EtherNET/IP applications			
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“			

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item no.	type	dimension	core-ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈kg/km
15479001	CATLine CAT 5e BL	2 x 2 x 24/7 AWG	approx. 1,25	5,7	22,7	48
15479002	CATLine CAT 5e BL	2 x 2 x 22/7 AWG	max. 1,60	6,4	29,7	61
15474621	CATLine CAT 5e BL	4 x 2 x 26/7 AWG	max. 1,05	7,3	31,9	64
16474621	CATLine CAT 6A BL	4 x 2 x 26/7 AWG	max. 1,05	7,3	31,9	64
16474421	CATLine CAT 6A BL	4 x 2 x 24/7 AWG	approx. 1,33	8,3	41,1	81
17474621	CATLine CAT 7A BL	4 x 2 x 26/7 AWG	max. 1,60	8,9	38,5	85
17474421	CATLine CAT 7A BL	4 x 2 x 24/7 AWG	approx. 1,60	10,5	65,0	116

Other dimensions and colours are possible on request.

Also possible  
as harnessed cable  
with M12 or RJ 45 plug!

