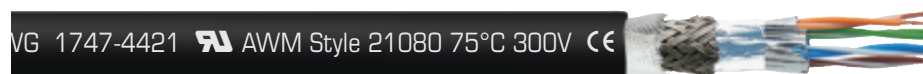


Industrial Ethernet Cables for Maritime Use

CATLine CAT 5e BL Halogen-free CAT 5e industrial Ethernet cables for maritime use

CATLine CAT 6A BL Halogen-free CAT 6A industrial Ethernet cables for maritime use

CATLine CAT 7A BL Halogen-free CAT 7A industrial Ethernet cables for maritime use



Marking for CATLine CAT 7A BL 17474421:

SAB BRÖCKSKES · D-VIERSEN · CATLine Cat.7A BL 4x2x24AWG 1747-4421 AWM Style 21080 75°C 300V CE



Construction:	CATLine CAT 5e BL		CATLine CAT 6A BL	CATLine CAT 7A BL
Item numbers:	15479001 15479002	15474621	16474621 16474421	17474621 17474421
Dimensions:	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	4 x 2 x 24 AWG 4 x 2 x 26 AWG
Conductor:	bare copper strands, fine wires		bare copper strands, fine wires	
Insulation:	special polymer		special polymer	
Color code:	blue, yellow, white, orange	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown	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 shielded with foil, pairs together
Wrapping:	alu foil		alu foil	—
Shielding:	tinned copper braiding		tinned copper braiding	tinned copper braiding
Jacket material:	special SABIX®		special SABIX®	special SABIX®
Jacket color:	black		black	black

Technical data:	CATLine CAT 5e BL	CATLine CAT 6A BL	CATLine CAT 7A BL
Peak operating voltage:	max. 90 V	max. 90 V	max. 90 V
Voltage UL:	300 V	300 V	300 V
Testing voltage: conductor/conductor: conductor/shielding:	2000 V 2000 V	2000 V 2000 V	2000 V 2000 V
Min. bending radius: fixed installation free movement (only 7 wires):	5 x O.D. 10 x O.D.	5 x O.D. 10 x O.D.	5 x O.D. 10 x O.D.
Temperature range VDE: static: flexible:	UL: up to +75°C -40/+70°C -30/+70°C	UL: up to +75°C -40/+70°C -30/+70°C	UL: up to +75°C -40/+70°C -30/+70°C
Low smoke halogen-free (LSHF):	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	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		
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases		
Smoke density:	acc. to IEC 61034 + VDE 0482-1034	acc. to IEC 61034 + VDE 0482-1034	acc. to IEC 61034 + VDE 0482-1034
Characteristic impedance (100 MHz):	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-2-2 / CAT 5	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-10-2 / CAT 6A	100Ω ± 10Ω, accomplishes the electrical and transmission requirements with high frequency with reference to EN 50288-9-2 / CAT 7A
Flexibility:	good	good	good
UL Style:	21080	21080	21080
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30		

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

Other dimensions and colors are available on request



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