

INDUSTRIAL GIGABIT ETHERNET CABLES CAT 6 AND CAT 6A

CATLine CAT 6 S

CAT 6 Gigabit Ethernet cable,
suitable for cable tracks

CATLine CAT 6A S

CAT 6A Gigabit Ethernet cable,
suitable for cable tracks

CATLine CAT 6 RT

CAT 6 Gigabit Ethernet cable,
suitable for cable tracks/robots

CATLine CAT 6A RT

CAT 6A Gigabit Ethernet cable,
suitable for cable tracks/robots



49 80°C 300V CSA AWM I/II A/B 80°C 300V FT2

Marking for CATLine CAT 6 S:

SAB BRÖCKSKES · D-VIERSEN · CATLine Cat.6 S 4x2x26AWG 16774630 AWM Style 20549 80°C 300V CSA AWM I/II A/B 80°C 300V FT2 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.

item no.	type	dimension AWG	nominal outer- ϕ inch	mm	cable weight \approx lbs/mft
▶ 16774630	CATLine CAT 6 S	26 (\approx 7/34)/4pr	0.280	7.1	38
▶ 16774631	CATLine CAT 6A S	26 (\approx 7/34)/4pr	0.280	7.1	38
▶ 16874630	CATLine CAT 6 RT	26 (\approx 7/34)/4pr	0.280	7.1	38
▶ 16874631	CATLine CAT 6A RT	26 (\approx 7/34)/4pr	0.280	7.1	38

Other dimensions and colors are possible on request.

Construction:	CATLine CAT 6 S <i>suitable for cable tracks</i>	CATLine CAT 6A S <i>suitable for cable tracks</i>	CATLine CAT 6A RT <i>suitable for cable tracks/ suitable for robots</i>	CATLine CAT 6A RT <i>suitable for cable tracks/ suitable for robots</i>
Item number:	16774630	16774631	16874630	16874631
Dimension:	4 x 2 x 26 AWG			
Conductor:	bare copper strands, fine wires			
Insulation:	special polymer			
Color code:	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown			
Stranding:	conductors twisted to pairs, pairs together			
Wrapping:	non-woven tape			
Screen:	alu foil			
Screen:	tinned copper braiding			
Wrapping:	non-woven tape			
Jacket material:	PUR			
Jacket color:	green (similar RAL 6018)			

Technical data:	CATLine CAT 6 S <i>suitable for cable tracks</i>	CATLine CAT 6A S <i>suitable for cable tracks</i>	CATLine CAT 6 RT <i>suitable for cable tracks/ suitable for robots</i>	CATLine CAT 6A RT <i>suitable for cable tracks/ suitable for robots</i>
Peak operating voltage:	max. 90 V			
Voltage UL/CSA:	300 V			
Testing voltage:	conductor/conductor 1500 V - conductor/screen 1200 V			
Temperature range VDE fixed laying: flexible application:	UL/CSA: up to + 80°C - 40°C / + 70°C - 40°C / + 70°C			
Min. bending radius fixed laying: flexible application: continuous flex:	5 x O.D. 10 x O.D. 15 x O.D.			
Torsion:	up to \pm 180°/m			
Characteristic impedance (100 MHz): accomplishes the electrical and transmission requirements with high frequency	100 Ω \pm 5 Ω with reference to EN 50288-5-2 / CAT 6	100 Ω \pm 5 Ω with reference to EN 50288-10-2 / CAT 6A	100 Ω \pm 5 Ω with reference to EN 50288-5-2 / CAT 6	100 Ω \pm 5 Ω with reference to EN 50288-10-2 / CAT 6A
Zero halogen:	acc. to DIN VDE 0472 part 815 + IEC 60754-1			
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 UL Horizontal Flame Test FT2			
Oil resistance:	TMPU acc. to EN 50363-10-2			
Flexibility:	very good			
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30			



+90°C on request!

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Web site: www.sabcable.com