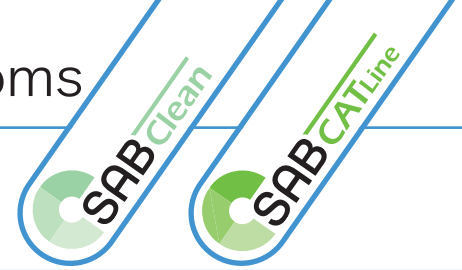


Industrial Ethernet Cables for Cleanrooms

SAB^{clean} **CATLine CAT 5e S**
SAB^{clean} **CATLine CAT 6A S**
SAB^{clean} **CATLine CAT 7A S**

CAT 5e industrial Ethernet cable
 CAT 6A industrial Ethernet cable
 CAT 7A industrial Ethernet cable



AWG 1777-9003 AWM Style 20549 80°C 300V



Marking for **SAB**^{clean} CATLine CAT 7A S 17779003:

SAB BRÖCKSKES · D-VIERSEN · **SAB** Clean **CATLine** Cat. 7A S 4x2x26AWG 1777-9003 AWM Style 20549 80°C 300V RoHS

Construction:	SAB ^{clean} CATLine CAT 5e S	SAB ^{clean} CATLine CAT 6A S	SAB ^{clean} CATLine CAT 7A S
Item numbers:	15779001	16779006	17779003
Dimensions:	4 x 2 x 26 AWG	4 x 2 x 26 AWG	4 x 2 x 26 AWG
Conductor:	bare copper strands, fine wires	bare copper strands, fine wires	bare copper strands, fine wires
Insulation:	special polymer	special polymer	special polymer
Color code:	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown	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:	conductors twisted to pairs, pairs together	conductors twisted to pairs, pairs together	conductors twisted to pairs, pairs shielded with foil, pairs together
Shielding:	alu foil and tinned copper braiding	alu foil and tinned copper braiding	aluminized non-woven tape and tinned copper braiding
Wrapping:	non-woven tape	non-woven tape	non-woven tape
Jacket material:	TPE	TPE	TPE
Jacket color:	black (RAL 9005)	black (RAL 9005)	black (RAL 9005)

Technical data:	SAB ^{clean} CATLine CAT 5e S	SAB ^{clean} CATLine CAT 6A S	SAB ^{clean} CATLine CAT 7A S
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 laying: flexible application: continuously flexible:	5 x O.D. 10 x O.D. 15 x O.D.	5 x O.D. 10 x O.D. 15 x O.D.	5 x O.D. 10 x O.D. 15 x O.D.
Temperature range VDE: static: flexible:	UL: up to +80°C -40/+70°C -30/+70°C	UL: up to +80°C -40/+70°C -30/+70°C	UL: up to +80°C -40/+70°C -30/+70°C
Burning Characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 UL Horizontal Flame Test FT2		
Oil resistance:	very good - Oil 60°C acc. to UL 758	very good - Oil 60°C acc. to UL 758	very good - Oil 60°C acc. to UL 758
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:	very good	very good	very good
Air cleanliness class 1:	acc. to ISO 14644-1	acc. to ISO 14644-1	acc. to ISO 14644-1
UL Style:	20549	20549	20549
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30		

item no.	type	dimensions AWG	outer-ø max. inch	mm	cable weight ≈lbs/mft
▶ 15779001	SAB ^{clean} CATLine CAT 5e S	26 (≈ 7/34)/4pr	0.251	6.4	32
▶ 16779006	SAB ^{clean} CATLine CAT 6A S	26 (≈ 7/34)/4pr	0.271	6.9	38
▶ 17779003	SAB ^{clean} CATLine CAT 7A S	26 (≈ 7/34)/4pr	0.350	8.9	57

Other dimensions and colors are available on request



Cleanroom classification
ISO 14644-1
Air Cleanliness Class 1

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