

# Clean CAT LINE CAT 5e S

케이블 트랙에 적합한 산업용 이더넷 케이블

77-9003  AWM Style 20549 80°C 300V 



Marking for SABclean CATLine CAT 7A S:

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

Construction:	
<b>Dimension:</b>	4 x 2 x 26 AWG
<b>Conductor:</b>	bare copper strands, fine wire
<b>Insulation:</b>	special polymer
<b>Colour code:</b>	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown
<b>Stranding:</b>	cores twisted to pairs, pairs together <b>SAB Clean CATLine CAT 7A S:</b> pairs screened with foil
<b>Screen:</b>	<b>SAB Clean CATLine CAT 5e S &amp; 6A S:</b> alu foil <b>SAB Clean CATLine CAT 7A S:</b> aluminized non-woven tap
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	TPE
<b>Sheath colour:</b>	black (RAL 9005)

Technical data:	
<b>Item number:</b>	1577-9001, 1677-9006, 1777-9003
<b>Peak operating voltage:</b>	max. 90 V
<b>Voltage UL:</b>	300 V
<b>Testing voltage:</b>	core/core 2000 V core/screen 2000 V
<b>Min. bending radius</b>	
fixed laying:	5 x d
flexible application:	10 x d
continuously flexible:	15 x d
<b>Temperature range</b>	<b>UL:</b> up to +80 °C
fixed laying:	-40/+70 °C
flexible application:	-30/+70 °C
<b>Characteristic impedance:</b>	100Ω ± 5Ω, accomplishes the electrical and transmission requirements with high frequency <b>CAT 5e:</b> with reference to EN 50288-2-2 <b>CAT 6A:</b> with reference to EN 50288-10-2 <b>CAT 7A:</b> with reference to EN 50288-9-2
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 UL Horizontal Flame Test FT2
<b>Oil resistance:</b>	very good - Oil 60 °C acc. to UL 758
<b>Flexibility:</b>	very good
<b>Air cleanliness class 1:</b>	acc. to DIN EN 14644-1 US Federal Standard 209 E
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union

item no.	type	no. of cores	cross section AWG	outer-ø max. mm	copper figure kg/km	cable weight ≈kg/km
15779001	SAB Clean CATLine CAT 5e S	8	26	6,4	31,8	48
16779006	SAB Clean CATLine CAT 6A S	8	26	6,9	31,8	56
17779003	SAB Clean CATLine CAT 7A S	8	26	8,9	38,5	85

Other dimensions and colours are possible on request.



**Cleanroom classification**  
**DIN EN ISO 14644-1**  
**air cleanliness class 1,**  
**US Federal Standard 209 E**  
**air cleanliness class 1.**

**Fraunhofer TESTED<sup>®</sup> DEVICE**  
SAB Bröckses Kabelmantele  
PUR 450, TPE 840 & TPE 850  
Report No. BR 0609-363

**Fraunhofer TESTED<sup>®</sup> DEVICE**  
cable sheathings  
Report No. BR 0512-338

**IPA Qualification Certificate**  
This is to certify that the product described below meets the requirements for the company:  
**SAB BRÖCKSKES GmbH & Co. KG**  
Dietrichstr. 99, 208 - 2102  
D-41109 Viersen