

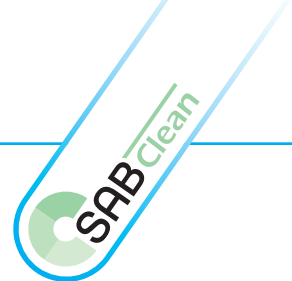
# Industrial Ethernet Cables

SAB<sup>clean</sup> CATLine CAT 5e S

SAB<sup>clean</sup> CATLine CAT 6A S

SAB<sup>clean</sup> CATLine CAT 7A S

Industrial Ethernet Cable, suitable for cable tracks



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



Marking for SAB<sup>clean</sup> CATLine CAT 7A S 17779003:

SAB BRÜCKSKES · D-VIERSEN · SAB Clean CATLine Cat.7A S 4x2x26AWG 1777-9003 AWM Style 20549 80°C 300V RoHS and current meter marking

<b>Construction:</b>	SAB <sup>clean</sup> CATLine CAT 5e S	SAB <sup>clean</sup> CATLine CAT 6A S	SAB <sup>clean</sup> CATLine CAT 7A S
<b>Dimension:</b>	4 x 2 x 26 AWG		
<b>Conductor:</b>	bare copper strands, fine wires		
<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		cores twisted to pairs, pairs screened with foil, pairs together
<b>Screen:</b>	alu foil and tinned copper braiding		aluminized non-woven tape and tinned copper braiding
<b>Wrapping:</b>	non-woven tape		
<b>Sheath material:</b>	TPE		
<b>Sheath colour:</b>	black (RAL 9005)		

<b>Technical data:</b>	SAB <sup>clean</sup> CATLine CAT 5e S	SAB <sup>clean</sup> CATLine CAT 6A S	SAB <sup>clean</sup> CATLine CAT 7A S
<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: core/screen:	2000 V 2000 V		
<b>Min. bending radius</b> fixed laying: flexible application: continuously flexible:	5 x d 10 x d 15 x d		
<b>Temperature range</b> fixed laying: flexible application:	UL: up to +80 °C -40/+70 °C -30/+70 °C		
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 UL Horizontal Flame Test FT2		
<b>Characteristic impedance:</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>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 ISO 14644-1		
<b>UL Style:</b>	20549		
<b>Application:</b>	suitable for EtherCAT and EtherNET/IP applications		
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union		

item no.	type	dimension	outer-ø max. mm	copper figure kg/km	cable weight ≈kg/km
15779001	SAB Clean CATLine CAT 5e S	4 x 2 x 26 AWG	6,4	31,8	48
16779006	SAB Clean CATLine CAT 6A S	4 x 2 x 26 AWG	6,9	31,8	56
17779003	SAB Clean CATLine CAT 7A S	4 x 2 x 26 AWG	8,9	38,5	85

Other dimensions and colours are possible on request.



**Cleanroom  
classification  
DIN EN ISO 14644-1  
air cleanliness class 1**

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



**CABLE  
ASSEMBLY  
POSSIBLE**