

# Industrial Ethernet Cables



**CATLine SPE C-Track** Single-Pair-Ethernet cable, suitable for cable tracks  
**CATLine SPE Robot** Single-Pair-Ethernet cable, suitable for robots  
**CATLine SPE HT** Single-Pair-Ethernet cable, high temperature resistant



Marking for CATLine SPE C-Track 17771630:

SAB BRÖCKSKES · D-VIERSEN · CATLine SPE C-Track 2xAWG26/7 17771630 AWM Style 20549 80°C 300V CE

<b>Construction:</b>	<b>CATLine SPE C-Track</b> <i>suitable for cable tracks</i>	<b>CATLine SPE Robot</b> <i>suitable for robots</i>	<b>CATLine SPE HT</b> <i>high temperature resistant</i>
Item numbers:	17771630	17871630	17211620
Dimensions:	2 x 26 AWG	2 x 26 AWG	2 x 26 AWG
Conductor:	bare copper strands, 7 or 19 wires	bare copper strands, 7 or 19 wires	bare copper strands, 7 wires
Insulation:	special polymer	special polymer	TPFP
Color code:	white, blue	white, blue	white, blue
Stranding:	twisted to pairs	twisted to pairs	twisted to pairs
Inner jacket:	SABIX®	SABIX®	TPFP
Shielding:	alu foil + tinned copper braiding	alu foil + tinned copper braiding	alu foil + tinned copper braiding
Wrapping:	non-woven tape	non-woven tape	—
Jacket material:	PUR	PUR	Besilen®
Jacket color:	green (similar RAL 6018)	green (similar RAL 6018)	green
<b>Technical data:</b>	<b>CATLine SPE C-Track</b> <i>suitable for cable tracks</i>	<b>CATLine SPE Robot</b> <i>suitable for robots</i>	<b>CATLine SPE HT</b> <i>high temperature resistant</i>
Peak operating voltage:	max. 90 V	max. 90 V	max. 90 V
Voltage UL:	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: continuous flex:	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. —
Torsion angle:	—	up to ± 180°/m	—
Temperature range: static: flexible:	UL: up to 80°C -40/+70°C -40/+70°C	UL: up to 80°C -40/+70°C -40/+70°C	-40/+180°C -25/+180°C
Temperature range conductor:	—	—	up to +180°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to IEC 60754-1 + VDE 0482-754-1	—
Oil resistance:	very good - TMPU acc. to EN 50363- 10-2 + VDE 0207-363-10-2	very good - TMPU acc. to EN 50363- 10-2 + VDE 0207-363-10-2	—
Characteristic impedance:	100Ω ± 10Ω, fulfills the electrical and transmission requirements with high frequency with reference to IEC 61156-12. Bandwidth 1 - 600 MHz.		
Data transfer:	1 Gbit up to 40 m	1 Gbit up to 40 m	1 Gbit up to 40 m
UL Style	20549	20549	—
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30		

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27

## Outstanding features:

### C-Track / Robot:

- UL recognized
- Suitable for Power over Dataline (PoDL) from up to approx. 50 W at 48 V DC
- low cabling effort
- short latency periods
- small outer diameter
- free from paint wetting impairment substances (PWIS-free)

### SPE HT:

- high temperature resistant
- flame retardant and self-extinguishing
- very easy installation

item no.	type	dimensions AWG	outer-ø		cable weight ≈lbs/mft
			±10% inch	±10% mm	
▶ 17771630	CATLine SPE C-Track	26 (7 strand)/1pr	0.181	4.6	19
▶ 17771230	CATLine SPE C-Track	22 (19 strand)/1pr	0.224	5.7	27
▶ 17871630	CATLine SPE Robot	26 (7 strand)/1pr	0.181	4.6	19
▶ 17871230	CATLine SPE Robot	22 (19 strand)/1pr	0.224	5.7	27
▶ 17211620	CATLine SPE HT	26 (7 strand)/1pr	0.173	4.4	23
▶ 17211220	CATLine SPE HT	22 (7 strand)/1pr	0.209	5.3	30

Other dimensions and colors are available on request



www.sabcable.com  
866-722-2974 ■ info@sabcable.com