

# Industrial Ethernet Cables

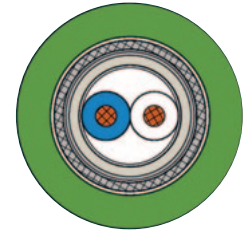
**CATLine SPE C-Track** Single Pair Ethernet cable, suitable for cable tracks UL recognition

**CATLine SPE Robot** Single Pair Ethernet cable, suitable for robots UL recognition

**CATLine SPE HT** Single Pair Ethernet cable, high temperature resistant UL recognition



1777-1630 AWM Style 20549 80°C 300V



Marking for CATLine SPE C-Track 17771630:

SAB BRÜCKSKES · D-VIERSEN · CATLine SPE C-Track 2xAWG26/7 1777-1630 AWM Style 20549 80°C 300V



<b>Construction:</b>	CATLine SPE C-Track <i>suitable for cable tracks</i>	CATLine SPE Robot <i>suitable for robots</i>	CATLine SPE HT <i>high temperature resistant</i>
<b>Dimension:</b>	2 x 28/7 AWG, 2 x 26/7 AWG, 2 x 24/7 AWG, 2 x 22/7 AWG		
<b>Conductor:</b>	bare copper strands, 7 wires		
<b>Insulation:</b>	special polymer		TPFP
<b>Colour code:</b>	white, blue		
<b>Stranding:</b>	twisted to pairs		
<b>Inner sheath:</b>	SABIX®		TPFP
<b>Screen:</b>	alu foil and tinned copper braiding		
<b>Wrapping:</b>	non-woven tape		---
<b>Sheath material:</b>	PUR		Besilen®
<b>Sheath colour:</b>	green (similar RAL 6018)		green

<b>Technical data:</b>	CATLine SPE C-Track <i>suitable for cable tracks</i>	CATLine SPE Robot <i>suitable for robots</i>	CATLine SPE HT <i>high temperature resistant</i>
<b>Item group:</b>	1777	1787	1721
<b>Peak operating voltage:</b>	max. 90 V		
<b>Voltage UL:</b>	300 V		600 V
<b>Testing voltage</b>	2000 V		
core/core:	2000 V		
core/screen:	2000 V		
<b>Min. bending radius</b>	5 x d		5 x d
fixed laying:	10 x d		10 x d
flexible application:	15 x d		
continuously flexible:			
<b>Torsion angle:</b>	---	up to ± 180°/m	
<b>Temperature range</b>	UL: up to +80 °C		UL: up to +150 °C
fixed laying:	-40/+70 °C		-40/+180 °C
flexible application:	-40/+70 °C		-25/+180 °C
<b>Temperature range conductor:</b>	---		up to +180 °C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1		---
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2		---
<b>Characteristic impedance:</b>	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to IEC 61156-12. Bandwidth 1 - 600 MHz.		
<b>UL Style:</b>	20549		4535
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“		

item group	type	dimension	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈kg/km
1777	CATLine SPE C-Track	2 x 28/7 AWG	4,0	12,1	21
1777	CATLine SPE C-Track	2 x 26/7 AWG	4,6	16,9	37
1777	CATLine SPE C-Track	2 x 24/7 AWG	5,1	18,5	33
1777	CATLine SPE C-Track	2 x 22/7 AWG	5,5	22,7	40
1787	CATLine SPE Robot	2 x 28/7 AWG	4,0	12,1	21
1787	CATLine SPE Robot	2 x 26/7 AWG	4,6	16,9	28
1787	CATLine SPE Robot	2 x 24/7 AWG	5,1	18,5	33
1787	CATLine SPE Robot	2 x 22/7 AWG	5,5	22,7	40
1721	CATLine SPE HT	2 x 28/7 AWG	4,0	12,7	27
1721	CATLine SPE HT	2 x 26/7 AWG	4,9	14,3	37
1721	CATLine SPE HT	2 x 24/7 AWG	5,4	19,9	44
1721	CATLine SPE HT	2 x 22/7 AWG	5,8	22,6	50

Other dimensions and colours are possible on request.



## Outstanding features:

### SPE C-Track / SPE Robot

- UL recognized
- low cabling effort
- short latency periods
- small outer diameter
- PWIS uncritical  
(PWIS = paint-wetting impairment substances)

### SPE HT

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