

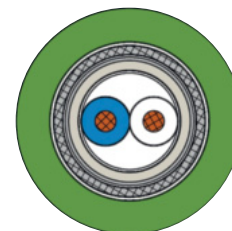
Industrial Ethernet Cables



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



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 CE



Construction:	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>
Dimension:	2 x 28/7 AWG, 2 x 26/7 AWG, 2 x 24/7 AWG, 2 x 22/7 AWG		
Conductor:	bare copper strands, 7 wires		
Insulation:	special polymer		TPFP
Colour code:	white, blue		
Stranding:	twisted to pairs		
Inner sheath:	SABIX®		TPFP
Screen:	alu foil and tinned copper braiding		
Wrapping:	non-woven tape		---
Sheath material:	PUR		Besilen®
Sheath colour:	green (similar RAL 6018)		green

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Technical data:	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>
Item group:	1777	1787	1721
Peak operating voltage:	max. 90 V		
Voltage UL:	300 V		600 V
Testing voltage core/core: core/screen:	2000 V 2000 V		
Min. bending radius fixed laying: flexible application: continuously flexible:	5 x d 10 x d 15 x d		5 x d 10 x d
Torsion angle:	---	up to ± 180°/m	
Temperature range fixed laying: flexible application:	UL: up to +80 °C -40/+70 °C -40/+70 °C		UL: up to +150 °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		---
Oil resistance:	very good - PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2		---
Characteristic impedance:	100Ω ± 10Ω, fulfils the electrical and transmission requirements with high frequency with reference to IEC 61156-12. Bandwidth 1 - 600 MHz.		
UL Style:	20549		4535
Absence of harmful substances:	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

