

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 1777-1630 AWM Style 20549 80°C 300V

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>
Item numbers:	17771630	17871630	17211620
Dimensions:	2 x 26 AWG	2 x 26 AWG	2 x 26 AWG
Conductor:	bare copper strands, 7 wires	bare copper strands, 7 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

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>
Peak operating voltage:	max. 90 V	max. 90 V	max. 90 V
Voltage UL:	300 V	300 V	600 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	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	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	very good - PUR, TPU 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.		
UL Style	20549	20549	4535
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30		

item no.	type	dimensions AWG	nominal outer-ø		cable weight ≈lbs/mft
			inch	mm	
▶ 17771630	CATLine SPE C-Track	26 (7 strand)/1pr	0.209	5.3	25
▶ 17871630	CATLine SPE Robot	26 (7 strand)/1pr	0.209	5.3	25
▶ 17211620	CATLine SPE HT	26 (7 strand)/1pr	0.193	4.9	25

Other dimensions and colors are available on request

Outstanding features:



C-Track / Robot:

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

SPE HT:

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



Industrial Ethernet Cables

CATLine SPE Rugged

Single-Pair-Ethernet cable for robust indoor and outdoor use



Marking for CATLine SPE Rugged 17399003:

SAB BRÖCKSKES · D-VIERSEN · CATLine SPE Rugged 2x26AWG 1739-9003 CE

Construction:

Conductor:	bare copper strands, 7 wires
Insulation:	TPFK
Color code:	white, blue
Stranding:	twisted to pairs
Inner jacket:	TPFK
Shielding:	alu. foil + tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR 420 with matte surface
Jacket color:	black (RAL 9005)

Outstanding features:



- flexible down to -45°C
- absolutely weather resistant
- very easy installation
- small bending radius

Technical data:

Peak operating voltage:	max. 90V
Testing voltage:	conductor/conductor: 750 V conductor/shielding: 750 V
Min. bending radius:	fixed installation: 5 x O.D. free movement: 12 x O.D.
Temperature range:	static: -90/+90°C / +125°C / 2500 h flexible: -45/+90°C / +125°C / 2500 h
Temperature range conductor:	up to +180°C
Oil resistance:	very good - TMPU acc. to EN 50363-10-2
Fuel resistance:	good
Battery acid resistance:	good
UV resistance:	acc. to HD 605 S1
Ozone resistance:	acc. to EN 50396
Saltwater resistance:	acc. to UL 1309
Characteristic impedance:	100Ω ± 10Ω, fulfills the electrical and transmission requirements with high frequency with reference to IEC 61156-12. Bandwidth 1 - 600 MHz.
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	type	dimensions AWG	nominal outer-ø		cable weight ≈lbs/mft
			inch	mm	
▶ 17399005	CATLine SPE Rugged	26 (7 strand)/1pr	0.173	4.4	22

Other dimensions and colors are available on request