Industrial Ethernet cables

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

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





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

Construction:	CATLine SPE C-Track suitable for cable tracks	CATLine SPE Robot suitable for robots
Dimension:	2 x 26/7 AWG, 2 x 22/19 AWG	
Conductor:	bare copper strands	
Insulation:	special polymer	
Colour code:	white, blue	
Stranding:	twisted to pairs	
Inner sheath:	SABIX®	
Screen:	alu foil and tinned copper braiding	
Wrapping:	non-woven tape	
Sheath material:	PUR	
Sheath colour:	green (similar RAL 6018)	

Construction:	CATLine SPE C-Track suitable for cable tracks	CATLine SPE Robot suitable for robots
Item number:	1777-1630, 1777-1230	1787-1630, 1787-1230
Peak operating voltage:	max. 90 V	
Voltage UL:	300 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	
Torsion angle:	–	up to ± 180°/m
Temperature range *fixed laying:* *flexible application:*	UL: up to +80 °C -40/+70 °C -40/+70 °C	
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2 UL FT2	
Oil resistance:	very good - TMPU 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.	
Data transfer:	1 Gbit up to 40 m	
UL Style:	20549	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

item no.	type	dimension	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
17771630	CATLine SPE C-Track	2 x 26/7 AWG	4,6	16,9	29
17771230	CATLine SPE C-Track	2 x 22/19 AWG	5,7	22,7	40
17871630	CATLine SPE Robot	2 x 26/7 AWG	4,6	16,9	29
17871230	CATLine SPE Robot	2 x 22/19 AWG	5,7	22,7	40

Other dimensions and colours are possible on request.

Outstanding features:

- UL recognized
- suitable for Power over Dataline (PoDL) from up to approx. 50 W at 48 V DC
- flame retardant and self-extinguishing
- low cabling effort
- short latency periods
- small outer diameter
- PFAS free
- PWIS uncritical
  (PWIS = paint-wetting impairment substances)



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