

Data sheet



Features

- Abrasion and notch resistant thanks to durable PUR jacket
- Suitable for continuous movement in drag chains and moving applications
- Reliable transmission: Stable even under constant torsion.
- Ideal for harsh industrial environments and moving applications
- Stable shielding against electromagnetic interference



Description

The drag chain-compatible and torsion-resistant Cat.6A patch cable with M12 connector X-coded to RJ45 connector has been developed for applications in industrial areas subject to frequent movement and high stress. Robust workmanship and a multi-layer cable construction ensure high resistance and excellent, stable data transmission.

Connections

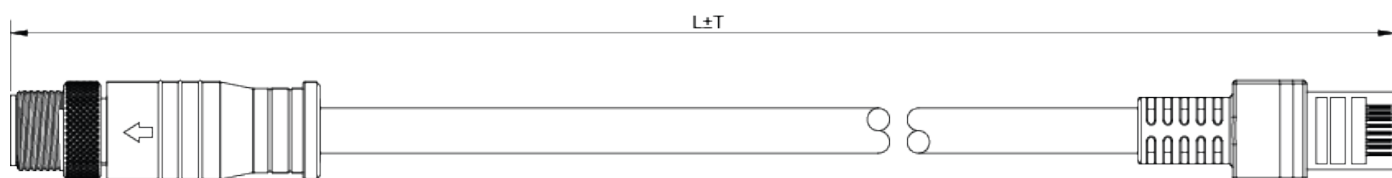
Connection 1	M12 male x-code
Orientation 1	180°
Shielding 1	Shielded
Case 1	overmolded
Case color 1	black
Connection 2	RJ45 Male (8P8C)
Orientation 2	180°
Shielding 2	Shielded
Case 2	molded incl. latch protection
Case color 2	black
Contact material	Gold-plated



Cable	
Typ	Round Cable
Category	Cat.6A
Construction	4x2x
Shielding	S/FTP
Assignment	1 - 1
Inner conductor material	Copper
AWG	26/19
Outer jacket material	PUR
Outer diameter	6.7±0.3 mm
Color outer jacket	green
Further information	Trailing chain test ≥ 5 million times / Torsion test ≥ 3 million times

Signal transmission	
Standard	Cat.6A
Bandwidth	500 MHz

Standards	
Approval	UL
Compliance	RoHS Reach CE
Halogen-free	IEC 60754-1
UL-listed	E542184
Oil resistance	UL 758 section15; JIS C 3005 type B
UV resistance	UL1581 section1200
Flammability	FT2 / IEC 60332-1-2
Temperature range	Fixed: -40 °C to 80°C / Moving: -20°C to 60°C



Item No.	Length	Tolerance	EAN
301X241-1,0M	1.0 m	+30/-0 mm	4260310269580
301X241-2,0M	2.0 m	+30/-0 mm	4260310269597
301X241-3,0M	3.0 m	+40/-0 mm	4260424510257



Item No.	Length	Tolerance	EAN
301X241-5,0M	5.0 m	+50/-0 mm	4260424510264
301X241-7,5M	7.5 m	+70/-0 mm	4260424510271
301X241-10,0M	10.0 m	+100/-0 mm	4260424510301
301X241-15,0M	15.0 m	+100/-0 mm	4260424510318
301X241-20,0M	20.0 m	+150/-0 mm	4260424510325

