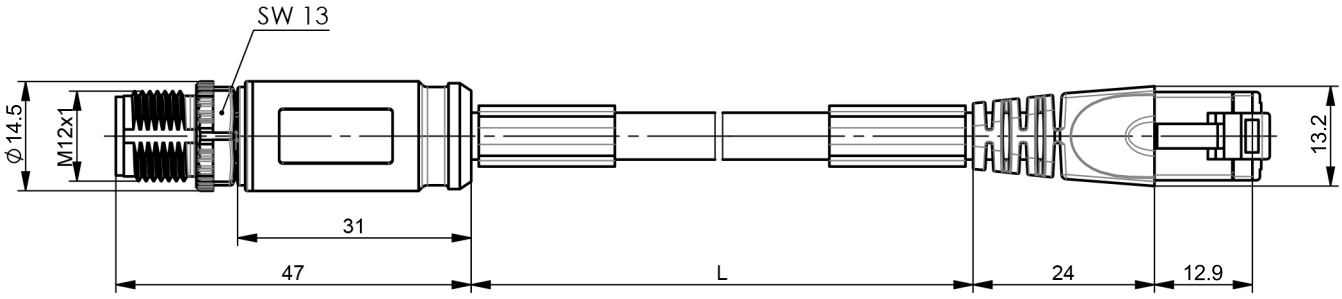
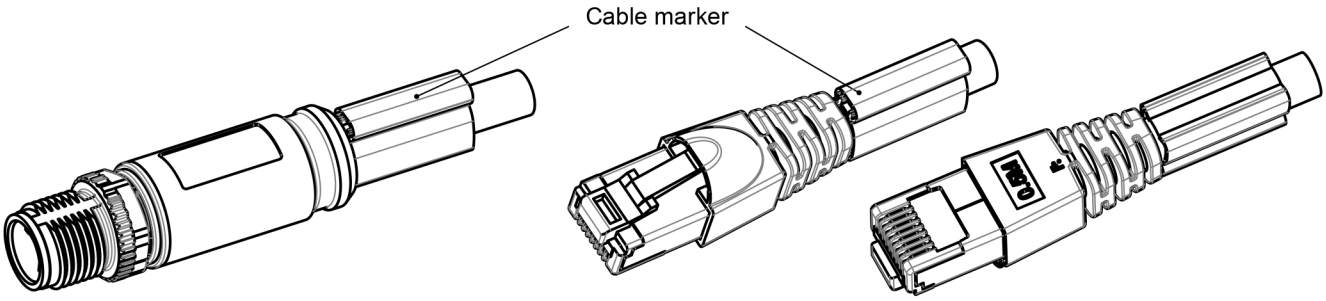
STX M12x1-RJ45 CC X-cod. Cat.6$_A$



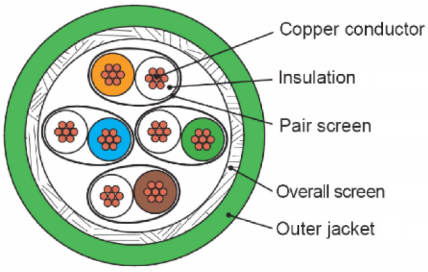
Length mm	<100	<200	<1000	<2000	<5000	<10000	<20000	≥20000
Tolerance	+10	+30	+70	+100	+150	+200	+250	+350

Strain relief overmolded

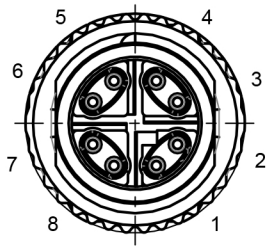


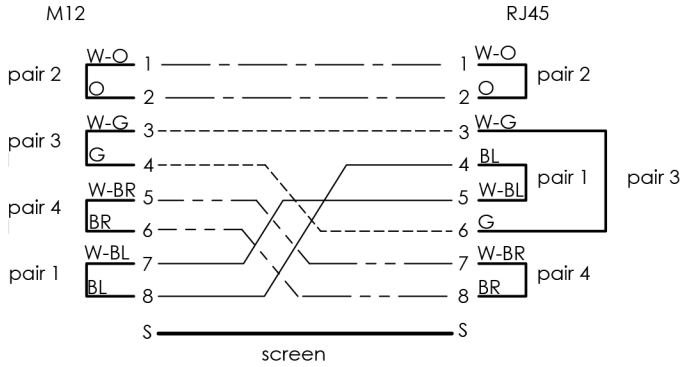
Construction

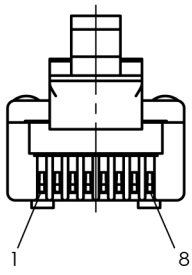
LI-02Ysc11Y 4x2x0.48 PiMF PUR



Pin Assignment







STX M12x1-RJ45 CC X-cod. Cat.6$_A$

Packing

1 piece in PE bag with label
Outer packaging for cables ≤ 7.5 M
carton 385 mm x 285 mm x 192 mm (outside dimensions)
Outer packaging for cables > 7.5 M
carton 380 mm x 275 mm x 295 mm (outside dimensions)
Outer packaging unit differs based on cable length

TG P/N and EAN number

L (mm)	Green RAL 6018	Pieces per box
500	L80100A0000 4018359446918	100
1000	L80100A0001 4018359446925	80
2000	L80101A0000 4018359446949	50
3000	L80102A0000 4018359446956	40
5000	L80103A0000 4018359446963	25
7500	L80104A0000 4018359451271	16
10000	L80105A0000 4018359451288	20

Optional

Order no.	Description	Pkg. Qty
N80050A0002	Torque wrench 0.6 Nm, AF 13	1

STX M12x1-RJ45 CC X-cod. Cat.6$_A$

Technical Data	
Connector standard M12 / RJ45	IEC 61076-2-109 / IEC 60603-7-51
Cable specifications see	L02002A0145
Mechanical Characteristics	
Insertion force	≤ 30N
Durability (mating cycles) M12 / RJ45	≥ 100 / ≥ 750
Materials	
Housing M12	Zinc diecast nickel-plated
Housing RJ45	PC UL94 V0 crystal clear
Shield RJ45	brass nickel-plated
Contact finish	Au über / over Ni
Cable boot	TPU UL94 HB black RAL 9005
Outer jacket	PUR green RAL 6018
Cable outer diameter	6.2 mm ± 0.2 mm (0.244 in ± 0.008 in.)
Cable marking	Cat.7 S/FTP 4x2xAWG26/7 PUR LI02YSC11Y PIMF IEC 60332-1 E344985 AA c(UL)us CMX -40°C ~ +85°C (sequential length in meters)
Colour of cable marking	blue
Additional product printing	CP01CP05B-SFTP2607C7-1PUR-AXXXX Production Date / Marking of Factory Location
Colour of product printing	black
Directive 2011/65/EU (RoHS)	RoHS compliant
Environment Requirements	
Protection against ingress	
Particulate ingress M12 / RJ45	IP6X * / IP2X
Water / Immersion M12 / RJ45	IPX7 * / IPX0
Pollution degree M12	3
Climatical and chemical	
Ambient temperature	-40°C to +85°C

* Technical data applies to M12x1 products to IEC 61076-2-109 specifications and the appropriate combinations of IP67 plugs.

Technical Data	
Electrical Characteristics	
Connection	Reference Connection Diagram
Current carrying capacity at 40°C	0.5 A
Rated voltage **	50 V / AC, 60 V / DC
PoE+ according to IEEE 802.3at	Adequate for Power over Ethernet+
Transmission Performance * **	
10 Gigabit Ethernet acc. to IEEE 802.3an	Adequate for 10 Gigabit Ethernet
Category 6_A	IEC 61076-2-109 / IEC 60603-7-51
Class E_A	ISO/IEC 11801; DIN EN 50173-1
Standards	
Specification for pair equipment connection cable	IEC 61156-6 DIN EN 50288-4-2
UL Standard for Communication circuit Accessories	UL 1863
Degrees of protection provided by enclosures (IP code)	IEC 60529
Approval	
UL listed	E244889

** The rated voltage is based on pollution degree 2
*** The aforementioned standards are valid as of 02/15/2016