

Technical data sheet

Actuator sensor interface · Network cables ETHERNET

**Male M12 straight on female M12 straight with PUR cable, shielded 360°
CAT6A (10 GBit/s), 8 pole X-coded, IP67, self-locking screw connection
C-track compatible, torsion resistant, halogen free**



Identification

Type STG8-M12 X/KUG8-M12 X(C) 1M PUR
Part No. [475601.0100](#)

Product version

Datasheet version 00

General

Design	M 12×1
Form male 1	M 12 Male Straight
Form male 2	M 12 Female Straight
Degree of pollution	3
Degree of protection	IP65/67
Housing material	TPU
Color of the housing	Black
Contact material	CuZn, gold-plated
Thread material	Zinc die-casting, nickel-plated
Mounting	Breakaway torque 0.4 Nm
Number of conductors/cross-section	(4×2×AWG24/7)
Number of conductors	8
Jacket material	PUR
Jacket color	green RAL 6018
Conductor insulation	PP
Cable diameter	8.9 mm
Minimum bending radius fixed	4×D
Minimum bending radius moving	15×D

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SYSTEMATIC TECHNOLOGY

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Storage temperature range	-25 °C ... +90 °C
Temperature range connector	-25 °C ... +85 °C
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-30 °C ... +70 °C
Contact durability	≥100
C-track chain properties	Type C
Weight/unit	0.09 kg
PU (units)	1

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Rated voltage U_N	AC/DC 24 V
Operating voltage	max. AC 48 V max. DC 60 V
Max. Power PoE	Power over Ethernet (PoE++ IEE 802.3bt) 60W
Rated current	0.5 A
Pole number	8
Cable length	1 m
Transfer rate	CAT6A, 10Gbit/s
Coding	X
Shielding	360°

Certifications/Standards

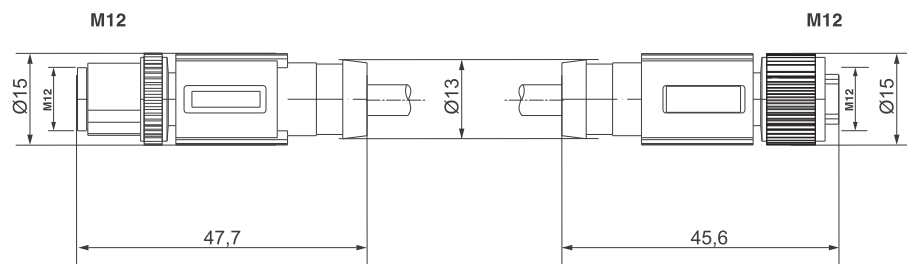
Halogen free according to	Cable EN 60754-1
Burning behavior according to	Cable IEC 60332-1-2 (flame retardant)
Standards	Connector IEC 61076-2-109

Equipment/Spare parts

Accessories

Torque setting tool M 12: Part-No. 490091 | DM-SET M12 | PU: 1 unit

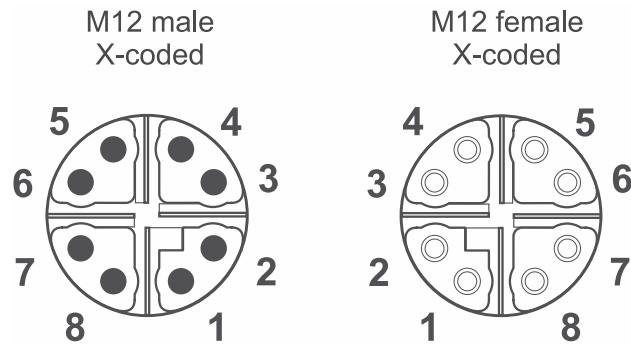
Dimensions



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Pin layout



Circuit diagram

