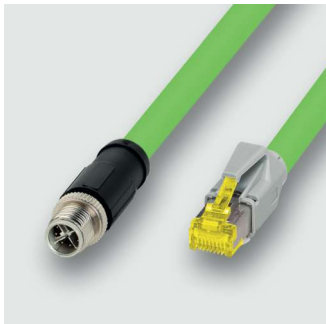


Technical data sheet

Actuator sensor interface · Network cables ETHERNET

Male M12 straight on male RJ45 straight with PUR cable, shielded 360°
CAT6A (10 GBit/s), 8 pole X-coded, IP67, self-locking screw connection / RJ45 IP20
C-track compatible, torsion resistant, halogen free



Identification

Type STG8-M12 X/RJ45(C) 2M PUR
Part No. [475604.0200](#)

Product version

Datasheet version 00

General

Design	M 12×1
Form male 1	M 12 Male Straight
Form male 2	M 12 RJ45 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

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0
www.luetze.de • info@luetze.de

21.01.2025 • Subject to technical modification

Part No. [475604.0200](#) • Datasheet version: 00

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SYSTEMATIC TECHNOLOGY

Technical data sheet

Actuator sensor interface · Network cables ETHERNET

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	0.18 kg
PU (units)	1

Technical data

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	2 m
Transfer rate	CAT6A, 10Gbit/s
Coding	X
Shielding	360°

Certifications/Standards

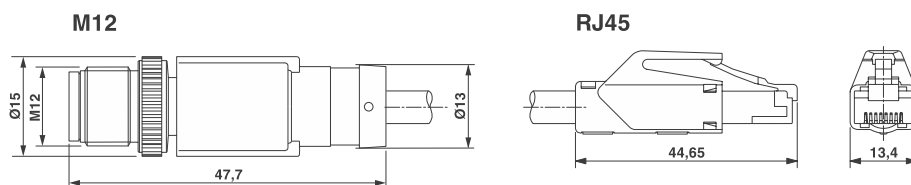
Halogen free according to	Cable EN 60754-1
Burning behavior according to	Cable IEC 60332-1-2 (flame retardant)
Standards	Connector IEC 61076-2-109

Equipment/Spare parts

Accessories

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

Dimensions

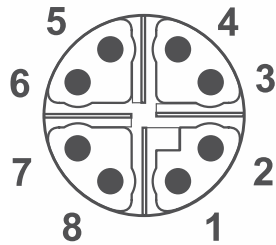


Technical data sheet

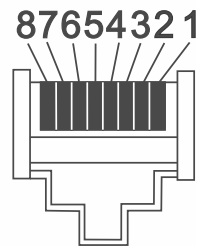
Actuator sensor interface · Network cables ETHERNET

Pin layout

M12 male
X-coded



RJ45 male



Circuit diagram

