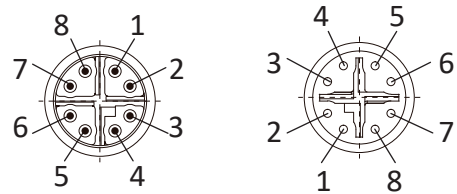


ARTICLE PROPERTIES

ARTICLE NUMBER	E12XB8*MXXX
SHAPE TYPE 1	Male, M12, straight
SHAPE TYPE 2	Female, M12, straight
NUMBER OF PINS	8
INTERFACE TYPE	X



MECHANICAL DATA

LOCKING	union nut, SW13, vibration lock
MATERIAL LOCKING	Zinc die casting, nickel plated
TIGHTENING TORQUE LOCKING	0,6 Nm
MATERIAL GRIP	PUR
SYSTEM	moulded
WIRES	4 x 2 twisted pairs

ELECTRICAL DATA

OPERATING VOLTAGE	60 V DC
RATED CURRENT	0,5 A
OPTICAL SHIELD COVER	≥ 85 %
SHIELDING	shielded
TIA/EIA GRADE	Ethernet CAT 6a
TRANSFER RATE	1000 Mbit/s

ENVIRONMENTAL CONDITIONS

PROTECTION CLASS	IP67 inserted and tightened
AMBIENT TEMPERATURE	-30 ... 90 °C

SUPPORT



APPROVALS



GENERAL CABLE PROPERTIES

THERMAL RESISTANCE (ONLY FOR PUR PRODUCT)

according to UL FT2

PROTECTION CLASS

according to IEC 60529 or ISO 20653, only when screwed together with the corresponding counterpart

CABLE LENGTHS X

All cable lengths are available on request.

EXAMPLE:

cable lengths 0,5 m -> E12XB8*M005

cable lengths 10 m -> E12XB8*M100

TOLERANCE CABLE LENGTHS

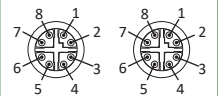
0 m < X ≤ 1,0 m +0,05 m

1,0 m < X ≤ 5,0 m +0,1 m

5,0 m < X +0,15 m

CABLE VARIANTS AND ASSIGNMENT OF WIRE INSULATION COLOR

Article number cable /*	material jacket	color jacket	wire insulation	wire cross-section	cable-jacket-Ø	temperature range	bending cycles	Pin variant
604	PVC	grey	PE	4 x 2 x 26 AWG	6.2±0.3 mm	-40 °C ... 80 °C	no	1
607	PVC	green	PE	4 x 2 x 26 AWG	6.2±0.3 mm	-40 °C ... 80 °C	no	1
605	PUR	blue	PE	4 x 2 x 26 AWG	6.6±0.3 mm	-40 °C ... 80 °C	no	1
608	PUR	black	PE	4 x 2 x 26 AWG	6.6±0.3 mm	-40 °C ... 80 °C	no	1
609	PUR	green	PE	4 x 2 x 26 AWG	7.3±0.3 mm	-40 °C ... 80 °C	≥ 5 Million	1
632	TPE	teal	PE	4 x 2 x 26 AWG	7.4±0.3 mm	-40 °C ... 80 °C	≥ 5 Million	1

	Pin variant	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
	1	white/orange	orange	white/green	green	white/brown	brown	white/blue	blue

The information contained in this data sheet was compiled with the greatest possible care. Liability for correctness, completeness and topicality is limited to gross negligence.
 ELCO Industrie Automation GmbH | Zentrale Europa | Benzstraße 7 | 71720 Oberstenfeld / Germany | Phone +49 7062 6599-260 | EN | Creation date: 28.08.25 | DS_C_E12XB8_V1.1_EN