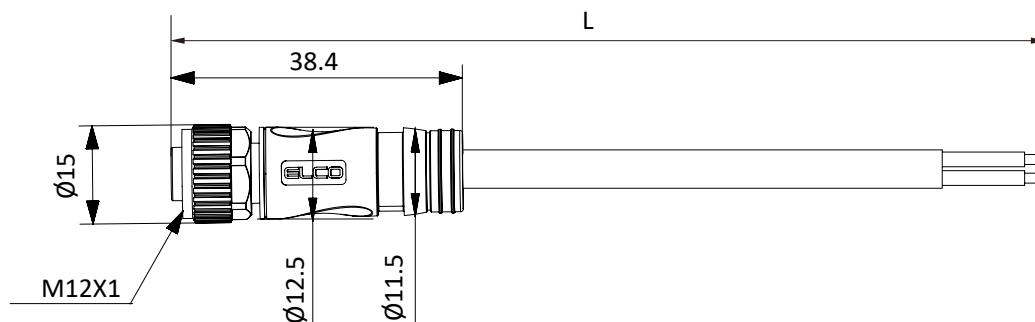
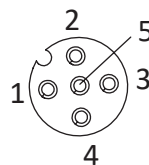




ARTICLE PROPERTIES

ARTICLE NUMBER	CO12.5-X.YYY*
SHAPE TYPE 1	Female, M12, straight
SHAPE TYPE 2	single-ended
NUMBER OF PINS	5
INTERFACE TYPE	A



MECHANICAL DATA

LOCKING	union nut, SW13, vibration lock
MATERIAL LOCKING	Zinc die casting, nickel plated
TIGHTENING TORQUE	0.6 Nm
LOCKING	
MATERIAL GRIP	PUR
SYSTEM	moulded

ELECTRICAL DATA

OPERATING VOLTAGE	60 V DC / 60 V AC
RATED CURRENT	4.0 A
INSULATION RESISTOR	> 100 MΩ
POLLUTION DEGREE	3

ENVIRONMENTAL CONDITIONS

PROTECTION CLASS	IP67 inserted and tightened
AMBIENT TEMPERATURE	-30 ... +90 °C (depending on cable)

STANDARDS AND DIRECTIVES

CIRCULAR CONNECTORS	SPECIFICATION FOR M12 CONNECTORS WITH SCREW-LOCKING
	IEC 61076-2-101

APPROVALS



GENERAL CABLE PROPERTIES

CABLE CONSTRUCTION (ONLY FOR PUR PRODUCT) according to UL-AWM Style 20549

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 -> CO12.5-**0.5**

cable lengths 10 m -> CO12.5-**10**

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 .YY	Article number suffix *	Material jacket	Color jacket	Wire insulation	Wire cross-section	Cable-jacket-Ø	Temperature range	Bending cycles	Torsion	Pin variant
		PVC	grey	PVC	5 x 0.34 mm ² (B)	4.8±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	grey	PP	5 x 0.34 mm ² (B)	4.8±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1
.21		PVC	grey	PVC	5 x 0.25 mm ² (A)	4.6±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	grey	PP	5 x 0.25 mm ² (A)	4.6±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1
.22		PVC	black	PVC	5 x 0.25 mm ² (A)	4.6±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	black	PP	5 x 0.25 mm ² (A)	4.6±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1
.23		PVC	yellow	PVC	5 x 0.25 mm ² (A)	4.6±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	yellow	PP	5 x 0.25 mm ² (A)	4.6±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1
.32		PVC	black	PVC	5 x 0.34 mm ² (B)	4.8±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	black	PP	5 x 0.34 mm ² (B)	4.8±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1

CABLE VARIANTS AND ASSIGNMENT OF WIRE INSULATION COLOR

Article number cable .YY	Article number suffix *	Material jacket	Color jacket	Wire insulation	Wire cross-section	Cable-jacket-Ø	Temperature range	Bending cycles	Torsion	Pin variant
.33		PVC	yellow	PVC	5 x 0.34 mm ² (B)	4.8±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	yellow	PP	5 x 0.34 mm ² (B)	4.8±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1
.312		PVC	grey	PVC	5 x 0.34 mm ² (B)	4.8±0.2 mm	-40 ... +105 °C	no	no	2
	/P	PUR	grey	PP	5 x 0.34 mm ² (B)	4.8±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	2

(A) similar to AWG 24 (B) similar to AWG 22 (C) Frequency: 3 times/min., no lifting, ±180°

CABLE VARIANTS AND ASSIGNMENT OF WIRE INSULATION COLOR

	Pin variant	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
	1	brown	white	blue	black	grey
	2	brown	white	blue	black	green / yellow

SALES AND SERVICE

Tianjin Elco Automation Co., Ltd

No. 12, 4th XEDA Branch Road
Xiqing Economic-Technological Development Area
Tianjin 300385, P.R. China
Office Phone: 022 23788282
E-Mail: info@elco.cn
www.elco-holding.com.cn

Elco Industrie Automation GmbH

Benzstrasse 7
71720 Oberstenfeld,
Deutschland
Office Phone: +49 7062 / 6599-260
E-Mail: info@elco-automation.de
www.elco-automation.de

Elco Automation LLC

1097 Highway 101 South, Suite D-3 Greer
South Carolina 29651, USA
Office Phone: +1 864-581-7431
E-Mail: infousa@elcoautomation.com
www.elcoautomation.com

Elco Industrial Automation Pvt Ltd.

No 80, 1st Main, 2nd Cross, Royal Enclave,
Sidedahalli, Nagasandra Bangalore 560073, India
Office Phone: +91-7259931777
E-Mail: info@elcoautomation.in
www.elcoautomation.com

Elco Automation Korea Ltd.

706, 17 Daehak 4-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, Republic of Korea, 16226
Office Phone: +82-31-216-7890
E-Mail: sales@elcoautomation.co.kr
www.elcoautomation.com