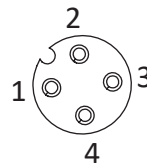


ARTICLE PROPERTIES

<b>ARTICLE NUMBER</b>	CO12.4-X.YY*
<b>SHAPE TYPE 1</b>	Female, M12, straight
<b>SHAPE TYPE 2</b>	single-ended
<b>NUMBER OF PINS</b>	4
<b>INTERFACE TYPE</b>	A



MECHANICAL DATA

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

ELECTRICAL DATA

<b>OPERATING VOLTAGE</b>	250 V DC / 250 V AC
<b>RATED CURRENT</b>	4.0 A
<b>INSULATION RESISTOR</b>	> 100 MΩ
<b>POLLUTION DEGREE</b>	3

ENVIRONMENTAL CONDITIONS

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

STANDARDS AND DIRECTIVES

<b>CIRCULAR CONNECTORS</b>	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 -> CO12.4-**0.5**

cable lengths 10 m -> CO12.4-**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-∅	Temperature range	Bending cycles	Torsion	Pin variant
		PVC	grey	PVC	4 x 0.34 mm <sup>2</sup> (B)	4.5±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	grey	PP	4 x 0.34 mm <sup>2</sup> (B)	4.5±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1
.21		PVC	grey	PVC	4 x 0.25 mm <sup>2</sup> (A)	4.1±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	grey	PP	4 x 0.25 mm <sup>2</sup> (A)	4.1±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1
.22		PVC	black	PVC	4 x 0.25 mm <sup>2</sup> (A)	4.1±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	black	PP	4 x 0.25 mm <sup>2</sup> (A)	4.1±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1
.23		PVC	yellow	PVC	4 x 0.25 mm <sup>2</sup> (A)	4.1±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	yellow	PP	4 x 0.25 mm <sup>2</sup> (A)	4.1±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1
.32		PVC	black	PVC	4 x 0.34 mm <sup>2</sup> (B)	4.5±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	black	PP	4 x 0.34 mm <sup>2</sup> (B)	4.5±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	4 x 0.34 mm <sup>2</sup> (B)	4.5±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	yellow	PP	4 x 0.34 mm <sup>2</sup> (B)	4.5±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (C)	1

(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
	1	brown	white	blue	black

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