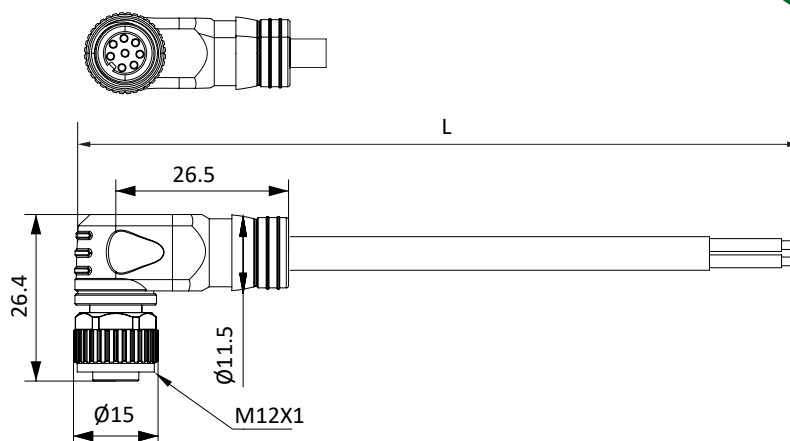
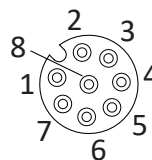




ARTICLE PROPERTIES

ARTICLE NUMBER	CBO12.8-X.YYY*
SHAPE TYPE 1	Female, M12, angled
SHAPE TYPE 2	single-ended
NUMBER OF PINS	8
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	30 V DC / 30 V AC
RATED CURRENT	2.0 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 -> CBO12.8-**0.5**

cable lengths 10 m -> CBO12.8-**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

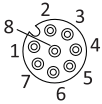
CABLE VARIANTS AND ASSIGNMENT OF WIRE INSULATION COLOR

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	8 x 0.25 mm ² (A)	5.9±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	grey	PP	8 x 0.25 mm ² (A)	5.9±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (B)	1
.22		PVC	black	PVC	8 x 0.25 mm ² (A)	5.9±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	black	PP	8 x 0.25 mm ² (A)	5.9±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (B)	1
.23		PVC	yellow	PVC	8 x 0.25 mm ² (A)	5.9±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	yellow	PP	8 x 0.25 mm ² (A)	5.9±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (B)	1
.212		PVC	grey	PVC	8 x 0.25 mm ² (A)	5.9±0.2 mm	-40 ... +105 °C	no	no	2
	/P	PUR	grey	PP	8 x 0.25 mm ² (A)	5.9±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (B)	2

(A) similar to AWG 24

(B) 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	Pin 6	Pin 7	Pin 8
	1	white	brown	green	yellow	grey	pink	blue	red
	1	brown	white	blue	black	grey	pink	violet	orange

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