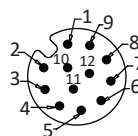


**ARTICLE PROPERTIES**

<b>ARTICLE NUMBER</b>	C12.12-X.YY*
<b>SHAPE TYPE 1</b>	Male, M12, straight
<b>SHAPE TYPE 2</b>	single-ended
<b>NUMBER OF PINS</b>	12
<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>	30 V DC / 30 V AC
<b>RATED CURRENT</b>	1.5 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

<b>CABLE CONSTRUCTION (ONLY FOR PUR PRODUCT)</b>	according to UL-AWM Style 20549
<b>THERMAL RESISTANCE (ONLY FOR PUR PRODUCT)</b>	according to UL FT2
<b>PROTECTION CLASS</b>	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 -> C12.12-0.5

cable lengths 10 m -> C12.12-10

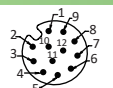
TOLERANCE CABLE LENGTHS

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	12 x 0.25 mm <sup>2</sup> (A)	6.2±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	grey	PP	12 x 0.25 mm <sup>2</sup> (A)	7.0±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (B)	1
.22		PVC	black	PVC	12 x 0.25 mm <sup>2</sup> (A)	6.2±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	black	PP	12 x 0.25 mm <sup>2</sup> (A)	7.0±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (B)	1
.23		PVC	yellow	PVC	12 x 0.25 mm <sup>2</sup> (A)	6.2±0.2 mm	-40 ... +105 °C	no	no	1
	/P	PUR	yellow	PP	12 x 0.25 mm <sup>2</sup> (A)	7.0±0.2 mm	-40 ... +80 °C	≥ 5 Million	max. 2 Mio. (B)	1

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

	Pin variant	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12
	1	brown	blue	white	green	pink	yellow	black	grey	red	violet	grey / pink	red / blue

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