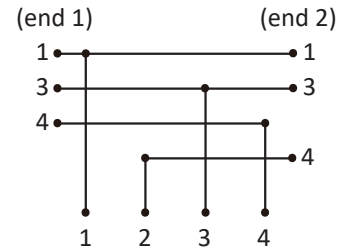
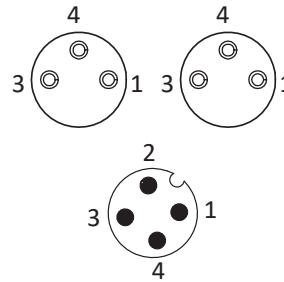


### ARTICLE PROPERTIES

<b>ARTICLE NUMBER</b>	ECS-2CBO8.3-X/X/*
<b>SHAPE TYPE 1</b>	Male, M12, straight
<b>SHAPE TYPE 2</b>	Female, M8, angled
<b>SHAPE TYPE 3</b>	Female, M8, angled
<b>NUMBER OF PINS</b>	4-3/3
<b>INTERFACE TYPE</b>	A



### MECHANICAL DATA

<b>LOCKING</b>	union nut, SW13, SW9, vibration lock
<b>MATERIAL LOCKING</b>	Zinc die casting, nickel plated
<b>TIGHTENING TORQUE LOCKING</b>	0,6 Nm/0,4 Nm
<b>MATERIAL GRIP</b>	PUR
<b>SYSTEM</b>	moulded

### ELECTRICAL DATA

<b>OPERATING VOLTAGE</b>	60 V DC
<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

### 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 -> ECS-2CBO8.3-**0.5/0.5**  
 cable lengths 10 m -> ECS-2CBO8.3-**10/10**

## 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/*	material jacket	color jacket	wire insulation	wire cross-section	cable-jacket- $\emptyset$	temperature range	bending cycles	Pin variant
	PVC	grey	PVC	3 x 0.25 mm <sup>2*</sup>	4.4±0.15 mm	-40 °C ... 105 °C	no	1
<b>/P</b>	PUR	grey	PP	3 x 0.25 mm <sup>2*</sup>	4.4±0.15 mm	-40 °C ... 80 °C	≥5 Million	1
<b>/E294</b>	PVC	grey	PVC	3 x 0.34 mm <sup>2**</sup>	4.8±0.15 mm	-40 °C ... 105 °C	no	1
<b>/E519</b>	PUR	grey	PP	3 x 0.34 mm <sup>2**</sup>	4.8±0.15 mm	-40 °C ... 80 °C	≥5 Million	1
<b>/E521</b>	PVC	black	PVC	3 x 0.25 mm <sup>2*</sup>	4.4±0.15 mm	-40 °C ... 105 °C	no	1
<b>/E591</b>	PUR	black	PP	3 x 0.25 mm <sup>2*</sup>	4.4±0.15 mm	-40 °C ... 80 °C	≥5 Million	1
<b>/E576</b>	PVC	black	PVC	3 x 0.34 mm <sup>2**</sup>	4.8±0.15 mm	-40 °C ... 105 °C	no	1
<b>/E578</b>	PUR	black	PP	3 x 0.34 mm <sup>2**</sup>	4.8±0.15 mm	-40 °C ... 80 °C	≥5 Million	1
<b>/E638</b>	PUR	yellow	PP	3 x 0.34 mm <sup>2**</sup>	4.8±0.15 mm	-40 °C ... 80 °C	≥5 Million	1

\* similar to AWG 24

\*\* similar to AWG 22

CABLE VARIANTS AND ASSIGNMENT OF WIRE INSULATION COLOR

	Pin variant	Pin 1	Pin 2	Pin 3	Pin 4
	1	brown / brown	black (end 2)	blue / blue	black (end 1)
	1	brown		blue	black (end 1)
	1	brown		blue	black (end 2)