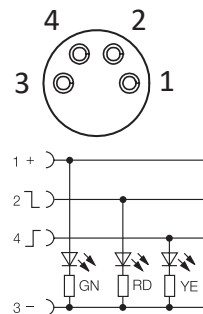


ARTICLE PROPERTIES

| | |
|-----------------------|----------------------|
| ARTICLE NUMBER | CO8.4-X.YY/L* |
| SHAPE TYPE 1 | Female, M8, straight |
| SHAPE TYPE 2 | single-ended |
| NUMBER OF PINS | 4 |
| INTERFACE TYPE | A |
| LED (PNP) | green, red, yellow |



MECHANICAL DATA

| | |
|--------------------------|---------------------------------|
| LOCKING | union nut, SW9, vibration lock |
| MATERIAL LOCKING | Zinc die casting, nickel plated |
| TIGHTENING TORQUE | 0.4 Nm |
| LOCKING | |
| MATERIAL GRIP | PUR |
| SYSTEM | moulded |

ELECTRICAL DATA

| | |
|----------------------------|-------------------|
| OPERATING VOLTAGE | 30 V DC / 30 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 M8 CONNECTORS WITH SCREW-LOCKING |
| | IEC 61076-2-104 |

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 -> CO8.4-**0.5**

cable lengths 10 m -> CO8.4-**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 0.25 mm ² (A) | 4.1±0.2 mm | -40 ... +105 °C | no | no | 1 |
| | /P | PUR | grey | PP | 4 x 0.25 mm ² (A) | 4.1±0.2 mm | -40 ... +80 °C | ≥ 5 Million | max. 2 Mio. (C) | 1 |
| .31 | | PVC | grey | PVC | 4 x 0.34 mm ² (B) | 4.5±0.2 mm | -40 ... +105 °C | no | no | 1 |
| | /P | PUR | grey | PP | 4 x 0.34 mm ² (B) | 4.5±0.2 mm | -40 ... +80 °C | ≥ 5 Million | max. 2 Mio. (C) | 1 |
| .22 | | PVC | black | PVC | 4 x 0.25 mm ² (A) | 4.1±0.2 mm | -40 ... +105 °C | no | no | 1 |
| | /P | PUR | black | PP | 4 x 0.25 mm ² (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 ² (A) | 4.1±0.2 mm | -40 ... +105 °C | no | no | 1 |
| | /P | PUR | yellow | PP | 4 x 0.25 mm ² (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 ² (B) | 4.5±0.2 mm | -40 ... +105 °C | no | no | 1 |
| | /P | PUR | black | PP | 4 x 0.34 mm ² (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 ² (B) | 4.5±0.2 mm | -40 ... +105 °C | no | no | 1 |
| | /P | PUR | yellow | PP | 4 x 0.34 mm ² (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°

| | Pin variant | Pin 1 | Pin 2 | Pin 3 | Pin 4 |
|---|-------------|-------|-------|-------|-------|
|  | 1 | brown | white | blue | black |

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