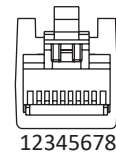
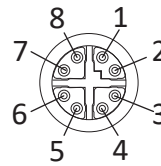


ARTICLE PROPERTIES

| | |
|-----------------------|----------------------|
| ARTICLE NUMBER | E16XB8*MXXX |
| SHAPE TYPE 1 | Male, M12, straight |
| SHAPE TYPE 2 | Male, RJ45, straight |
| NUMBER OF PINS | 8 |
| INTERFACE TYPE | X, RJ45 |



MECHANICAL DATA

| | |
|--------------------------------------|---|
| LOCKING | M12: union nut, SW13, vibration lock RJ45: Snap-in connector |
| MATERIAL LOCKING | M12: Zinc die casting, nickel plated RJ45: PC |
| TIGHTENING TORQUE LOCKING M12 | 0,6 Nm |
| MATERIAL GRIP | PUR |
| SYSTEM | moulded, assmled |
| WIRES | 4 x 2 twisted pairs |

ELECTRICAL DATA

| | |
|-----------------------------|-----------------|
| OPERATING VOLTAGE | 60 V DC |
| RATED CURRENT | 0,5 A |
| OPTICAL SHIELD COVER | ≥ 85 % |
| SHIELDING | shielded |
| TIA/EIA GRADE | Ethernet CAT 6a |
| TRANSFER RATE | 1000 Mbit/s |

ENVIRONMENTAL CONDITIONS

| | |
|----------------------------|----------------------------------|
| PROTECTION CLASS | IP67/IP20 inserted and tightened |
| AMBIENT TEMPERATURE | -30 ... 90 °C |

SUPPORT



APPROVALS



GENERAL CABLE PROPERTIES

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 -> E16XB8*M005
 cable lengths 10 m -> E16XB8*M100

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-Ø | temperature range | bending cycles | Pin variant |
|-------------------------|-----------------|--------------|-----------------|--------------------|----------------|-------------------|----------------|-------------|
| 604 | PVC | grey | PE | 4 x 2 x 26 AWG | 6.2±0.3 mm | -40 °C ... 80 °C | no | 1 |
| 607 | PVC | green | PE | 4 x 2 x 26 AWG | 6.2±0.3 mm | -40 °C ... 80 °C | no | 1 |
| 605 | PUR | blue | PE | 4 x 2 x 26 AWG | 6.6±0.3 mm | -40 °C ... 80 °C | no | 1 |
| 608 | PUR | black | PE | 4 x 2 x 26 AWG | 6.6±0.3 mm | -40 °C ... 80 °C | no | 1 |
| 609 | PUR | green | PE | 4 x 2 x 26 AWG | 7.3±0.3 mm | -40 °C ... 80 °C | ≥ 5 Million | 1 |
| 632 | TPE | teal | PE | 4 x 2 x 26 AWG | 7.4±0.3 mm | -40 °C ... 80 °C | ≥ 5 Million | 1 |

| | Pin variant | Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 | Pin 6 | Pin 7 | Pin 8 |
|--|-------------|--------------|--------|-------------|-------|-------------|-------|-------------|-------|
| | 1 | white/orange | orange | white/green | green | white/brown | brown | white/blue | blue |
| | 1 | white/orange | orange | white/green | blue | white/blue | green | white/brown | brown |

The information contained in this data sheet was compiled with the greatest possible care. Liability for correctness, completeness and topicality is limited to gross negligence.
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