

- Male M12
- Male RJ45
- straight / straight

**General attributes**

|                              |             |
|------------------------------|-------------|
| Area of application          | Ethernet    |
| Cable jacket color           | teal        |
| Enclosure Type per IEC 60529 | IP67 / IP20 |
| Function indicator           | No          |
| Trademark                    | EtherNet/IP |

**Electrical attributes**

|                                  |                   |
|----------------------------------|-------------------|
| Conductor resistance             | ≤ 26.0 Ω/ 1000 ft |
| Operating voltage UB max. AC [V] | 30.0 V            |
| Operating voltage UB max. DC [V] | 42.0 V            |
| Rated current (40°C)             | 1.5 A             |
| Switching output                 | No                |
| Transfer impedance               | ≤ 100 +/- 15 Ω    |
| Work capacity                    | 13.5 pF/ft        |

**Mechanical attributes**

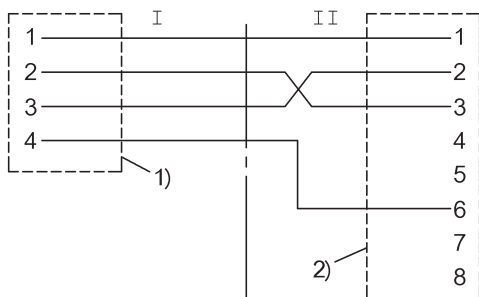
|                             |                  |
|-----------------------------|------------------|
| Ambient temp. max. (moving) | 75 °C            |
| Ambient temp. min. (moving) | -40 °C           |
| Bending cycles              | > 10 Mio.        |
| Bending radius fixed cable  | min. 20 x D      |
| Cable diameter D            | 6.12 +/- 0.25 mm |

|                         |                     |
|-------------------------|---------------------|
| Cable jacket material   | TPE shielded        |
| Cable length L [m]      | 2.00 m              |
| Conductor cross-section | 24 AWG              |
| Conductor structure     | 2x2 twisted pairs   |
| Connector configuration | straight / straight |
| Connector type          | M12, D-coded        |

|                            |                          |
|----------------------------|--------------------------|
| Connector type (Header I)  | Male M12                 |
| Connector type (Header II) | Male RJ45                |
| Contact material           | CuZn / PhBz, Gold plated |
| Cover nut material         | GD-Zn / -                |
| Grip material              | TPU / PVC                |
| Number of conductors       | 4                        |
| Stranding                  | Twisted pair             |
| System                     | molded / assembled       |
| Tightening torque pigtail  | 0.6 Nm                   |

**Additional text**

QUABBIN DATAMAX EXTREME HIGH FLEX INDUSTRIAL ETHERNET/IP PATCH  
 CORD CAT 5e SF/UTP P/N 5025- C(UL)US TYPE CMX OUTDOOR- CM 2 PR 24 AWG  
 75C SUN RES OR AWM 2463 -RoHS



- 1) Shielded knurl  
 2) Shield on housing

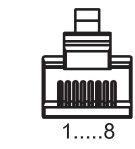
Connector/cable

**BCC M414-E894-8G-672-ES64N9-020**

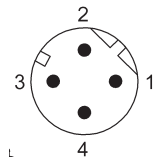
**Order code: BCC0E90**

**BALLUFF**

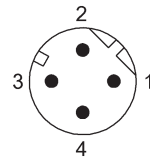
*sensors worldwide*



II



L  
I



I