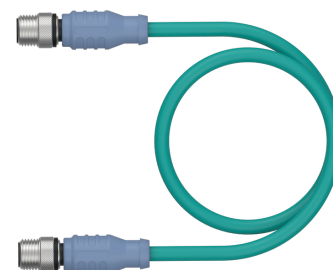
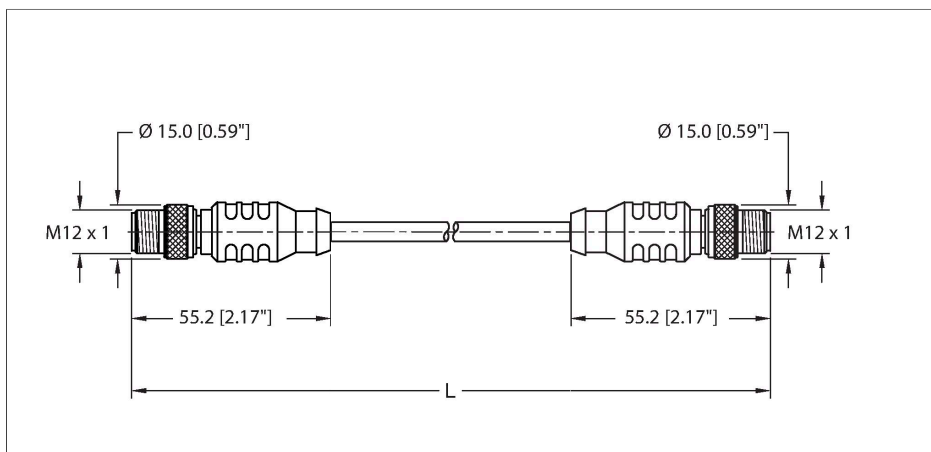


# RSCD RSCD 440-24M

## Industrial Ethernet Cable – Extension Cable



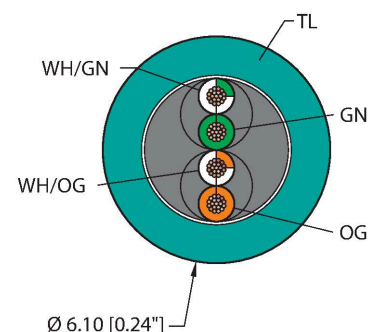
### Technische Daten

|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Type                            | RSCD RSCD 440-24M                                       |
| ID                              | U-49310                                                 |
| Connector A                     | Male, M12 × 1, Straight, D-code                         |
| Number of contacts              | 4                                                       |
| Contacts                        | Bronze, CuSn, Gold-plated                               |
| Contact carriers                | Plastic, TPU, Black                                     |
| Connector body                  | Plastic, TPU, Blue gray                                 |
| Coupling nut                    | Brass, CuZn, Nickel-plated                              |
| Tightening torque (range)       | 0.8 ... 1 Nm<br>(note max. torque of mating connector!) |
| Mechanical life                 | > 100 Mating cycles                                     |
| Pollution degree                | 3                                                       |
| Protection class (When coupled) | IP67, IP68, IP69, IP69K<br>NEMA: 1, 3, 4, 6P, 12        |
| Connector B                     | Male, M12 × 1, Straight, D-code                         |
| Design specification            | Acc. to IEC 61076-2-101                                 |
| Number of contacts              | 4                                                       |
| Contacts                        | Bronze, CuSn, Gold-plated                               |
| Contact carriers                | Plastic, Nylon or TPU, Black                            |
| Connector body                  | Plastic, TPU, Blue gray                                 |
| Coupling nut                    | Brass, CuZn, Nickel-plated                              |
| Tightening torque               | 0.8 ... 1 Nm<br>(note max. torque of mating connector!) |
| Mechanical life                 | > 100 Mating cycles                                     |
| Pollution degree                | 3                                                       |

### Features

- M12, Male, Straight, 4-pin
- D-code (reverse key)
- M12, Male, Straight, 4-pin
- D-code (reverse key)
- Unshielded Twisted Pair
- Industrial Ethernet Cable
- fieldbus type: Ethernet CAT5E, TPE jacket, Teal, 2UTPX24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL 1685, UL1061
- Flexlife® and C-Track Approved

### Cable cross section

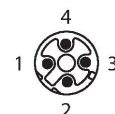


### Contact assignment

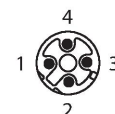
## Technische Daten

|                                           |                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Protection class (When coupled)           | IP65, IP67, IP68, IP69                                                               |
|                                           | NEMA: 1, 3, 4, 6P, 12                                                                |
| <b>Cable data</b>                         |                                                                                      |
| Cable ID                                  | RF51210                                                                              |
| Fieldbus                                  | Ethernet, 440                                                                        |
| Total number of conductors                | 4                                                                                    |
| Cable diameter                            | Ø 6.1 mm                                                                             |
| Length (L)                                | 24 m                                                                                 |
| Cable jacket                              | TPE, Teal                                                                            |
| Conductor material                        | TC (tinned copper)                                                                   |
| Conductor colors                          | WH/GN, GN, WH/OG, OG                                                                 |
| Description of assembly                   | UTP (Unshielded Twisted Pair)                                                        |
| Number of pairs                           | 2                                                                                    |
| Conductor diameter                        | 0.042 "                                                                              |
| Conductor insulation material             | HDPE                                                                                 |
| Cable conductor cross-section             | 2x24 AWG [Similar to 0.25 mm²]                                                       |
| Number of strands x O.D.                  | 7x32 AWG                                                                             |
| <b>Electrical properties at +20 °C</b>    |                                                                                      |
| Rated voltage                             | 48 V(UL 1863)                                                                        |
| Current                                   | 4 A                                                                                  |
| <b>Mechanical and chemical properties</b> |                                                                                      |
| Bending radius (static)                   | ≥ 4 x Ø                                                                              |
| Bending radius (dynamic)                  | ≥ 10 x Ø                                                                             |
| Bending radius (C-track)                  | ≥ 4 In.                                                                              |
| Bending cycles (C-track)                  | 35 Million *                                                                         |
| Torsional stress                          | ± 270 °/m                                                                            |
| Torsion rating                            | Max. 3 million                                                                       |
| Torsional stress                          | 52 Cycles/min                                                                        |
| UL cold bend rating                       | -40 °C                                                                               |
|                                           | *When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second. |
| C-Track                                   | Yes                                                                                  |
| Ambient temperature range (static)        | -40...+80 °C                                                                         |
| Ambient temperature range (dynamic)       | 5...+80 °C                                                                           |
| Temperature range (installation)          | -10...+80 °C                                                                         |
| <b>Approval</b>                           |                                                                                      |
| Approvals                                 | UL 1863<br>CE<br>UKCA                                                                |

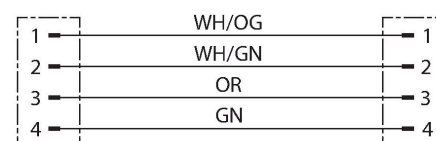
Connector A



Connector B



## Circuit Diagram



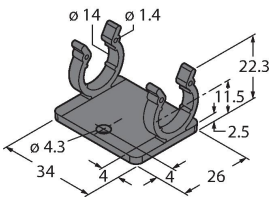
Technische Daten

RoHS

| Note |                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | - Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius. |
|      | - We reserve the right to make technical alterations without prior notice.                                                                                                           |

Montagezubehör

|                                     |           |
|-------------------------------------|-----------|
| M12-CORDSETS-MOUNTING-CLIP-(10/BAG) | 100016882 |
|-------------------------------------|-----------|



10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.