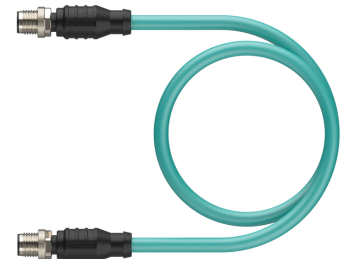
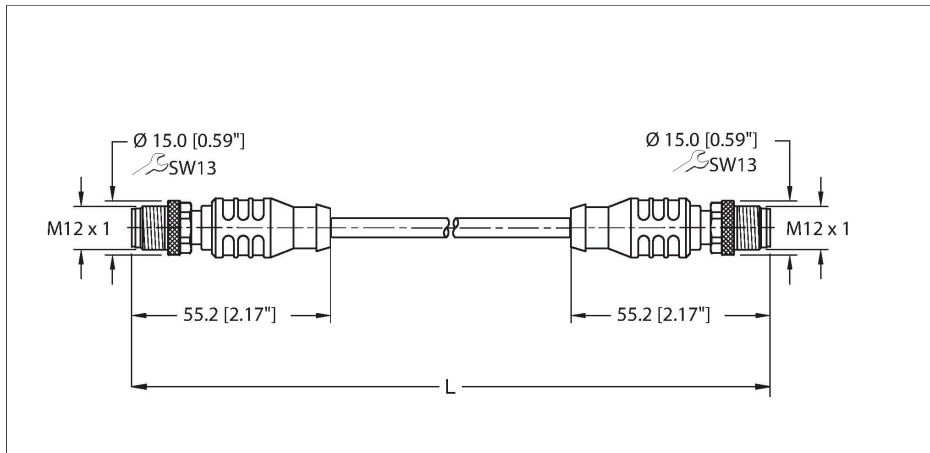


# RSSX RSSX 860-5M

## Industrial Ethernet Cable



### Technische Daten

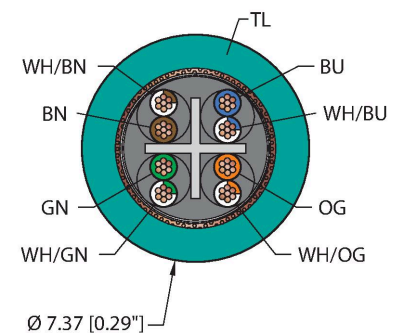
|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Type                            | RSSX RSSX 860-5M                                        |
| ID                              | U2-29241                                                |
| Connector A                     | Male, M12 × 1, Straight, X-code                         |
| Number of contacts              | 8                                                       |
| Contacts                        | Brass, CuZn, Gold-plated                                |
| Contact carriers                | Metal, Zink, Nickel-plated                              |
| Connector body                  | Plastic, TPU, Black                                     |
| 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                                                    |
| Connector B                     | Male, M12 × 1, Straight, X-code                         |
| Number of contacts              | 8                                                       |
| Contacts                        | Brass, CuZn, Gold-plated                                |
| Contact carriers                | Metal, Zink, Nickel-plated                              |
| Connector body                  | Plastic, TPU, Black                                     |
| 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                                                       |
| Protection class (When coupled) | IP67                                                    |

### Features



- M12, Male, Straight, 8-pin
- X-Code
- M12, Male, Straight, 8-pin, X-Code
- Industrial Ethernet Cable
- Fieldbus type: Ethernet CAT6A, Teal TPE jacket, shielded, 4UTPX26 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL 1666, UL1061
- Flexlife® and C-Track Approved

### Cable cross section



### Contact assignment

## Technische Daten

| Cable data                          |                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------|
| Cable ID                            | RF52026                                                                              |
| Fieldbus                            | Ethernet, 860                                                                        |
| Total number of conductors          | 8                                                                                    |
| Cable diameter                      | Ø 7.37 mm                                                                            |
| Length (L)                          | 5 m, (+50mm or 4% of length/-0.0, Whichever is greater)                              |
| Cable jacket                        | TPE, Teal                                                                            |
| Shielding                           | Aluminum/polyester (OUT), 38 AWG, TC (Tinned Copper), 75% coverage                   |
| Conductor material                  | TC (tinned copper)                                                                   |
| Conductor colors                    | WH/OG, OG, WH/GN, GN, WH/BN, BN, WH/BU, BU                                           |
| Description of assembly             | UTP (Unshielded Twisted Pair)                                                        |
| Number of pairs                     | 4                                                                                    |
| Conductor diameter                  | 0.034 "                                                                              |
| Conductor insulation material       | HDPE                                                                                 |
| Cable conductor cross-section       | 2x26 AWG [Similar to 0.14 mm²]                                                       |
| Number of strands x O.D.            | 7x34 AWG                                                                             |
| Electrical properties at +20 °C     |                                                                                      |
| Rated voltage                       | 48 V(UL 1863)                                                                        |
| Rated voltage                       | 50 V <sub>AC</sub> /60 V <sub>DC</sub>                                               |
| Current                             | 0.5 A                                                                                |
| Mechanical and chemical properties  |                                                                                      |
| 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                                                                         |

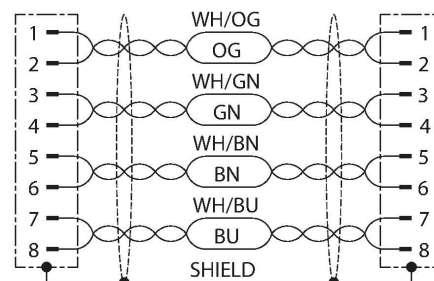
Connector A



Connector B



## Circuit Diagram

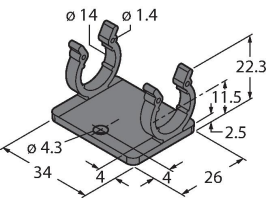


Technische Daten

| Approval                                                                                                                                                                                                                                                                              |                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Approvals                                                                                                                                                                                                                                                                             | UL 1863<br>CSA C22.2 No. 233-09<br>CE<br>UKCA<br>RoHS |
| Note                                                                                                                                                                                                                                                                                  |                                                       |
| <div>- 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.</div> <div>- We reserve the right to make technical alterations without prior notice.</div> |                                                       |

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.