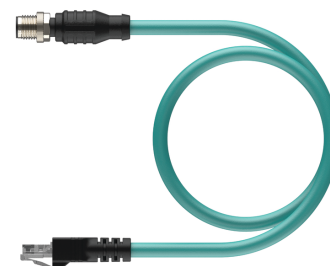
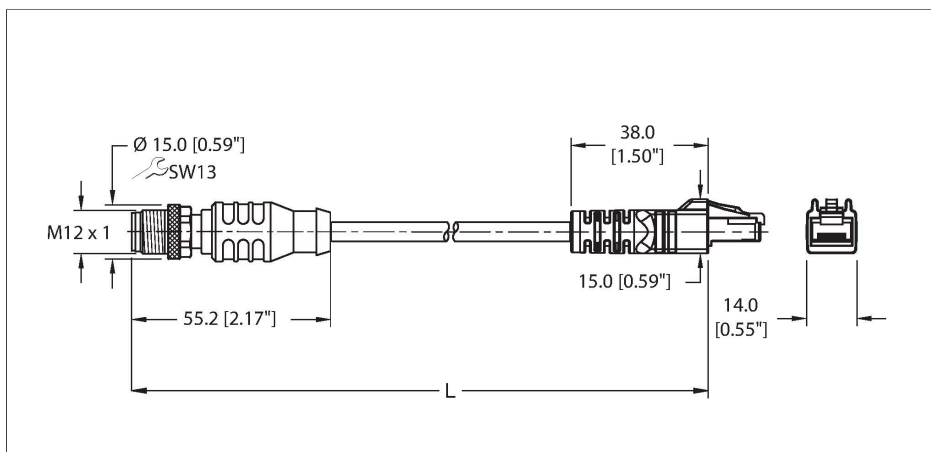


# RSSX RJ45S 841-12M

## Industrial Ethernet Cable – Patch Cable



### Technische Daten

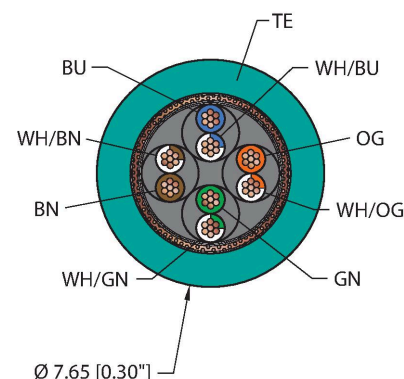
|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Type                            | RSSX RJ45S 841-12M                                      |
| ID                              | 100022354                                               |
| 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, RJ45, Straight                                    |
| Number of contacts              | 8                                                       |
| Contacts                        | Bronze, CuSn, Gold-plated                               |
| Contact carriers                | Plastic, PC, Transparent                                |
| Connector body                  | Plastic, TPU, Black                                     |
| Protection class (When coupled) | IP20                                                    |
|                                 | NEMA: 1                                                 |
| Cable data                      |                                                         |
| Cable ID                        | RF50893                                                 |
| Fieldbus                        | Ethernet, 841                                           |
| Total number of conductors      | 8                                                       |

### Features



- M12, Male, Straight, 8-pin
- X-Code
- RJ45, Male, Straight, 8-pin, Shielded
- Industrial Ethernet Cable
- fieldbus type: Ethernet CAT5E, Teal TPE jacket, shielded, 4UTPX24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL 1685, UL1061
- Flexlife® and C-Track Approved

### Cable cross section



### Contact assignment

## Technische Daten

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Cable diameter     | Ø 7.65 mm                                                          |
| Length (L)         | 12 m                                                               |
| 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                         |

| Sub assembly 1                |                                |
|-------------------------------|--------------------------------|
| Description of assembly       | UTP (Unshielded Twisted Pair)  |
| Number of pairs               | 4                              |
| Conductor diameter            | 0.046 "                        |
| Conductor insulation material | HDPE                           |
| Cable conductor cross-section | 2x24 AWG [Similar to 0.25 mm²] |
| Number of strands x O.D.      | 7x32 AWG                       |

| Electrical properties at +20 °C |       |
|---------------------------------|-------|
| Rated voltage                   | 42 V  |
| Current                         | 0.5 A |

| Mechanical and chemical properties |                |
|------------------------------------|----------------|
| Bending radius (static)            | ≥ 4 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 correctly installed at 20 °C, 50 % RH. |
| C-Track                             | Yes                                          |
| Ambient temperature range (static)  | -40...+80 °C                                 |
| Ambient temperature range (dynamic) | 5...+80 °C                                   |
| Temperature range (installation)    | -10...+80 °C                                 |

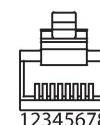
| Approval  |                                                       |
|-----------|-------------------------------------------------------|
| Approvals | UL 1863<br>CSA C22.2 No. 233-09<br>CE<br>UKCA<br>RoHS |

| Note |                                                                                 |
|------|---------------------------------------------------------------------------------|
|      | - Flex ratings may be reduced if used in extreme temperatures, exposure to cer- |

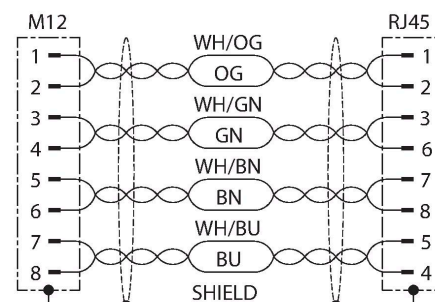
Connector A



Connector B



## Circuit Diagram



## Technische Daten

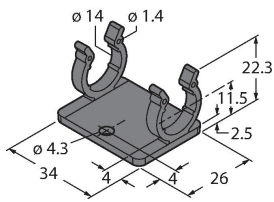
tain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

- 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.