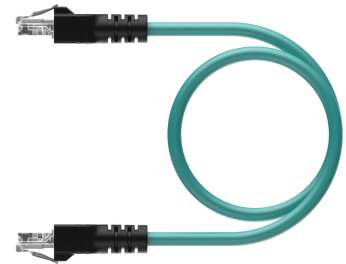
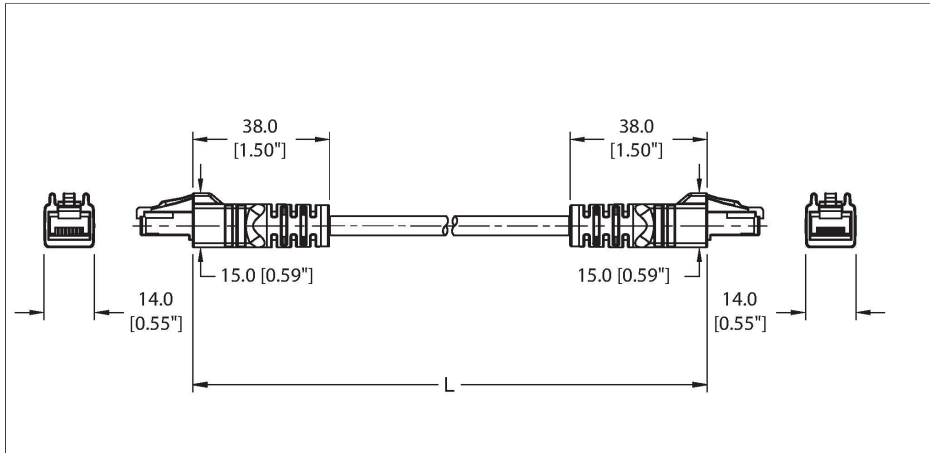


# RJ45S RJ45S 841-7.5M

## Industrial Ethernet Cable – Patch Cable



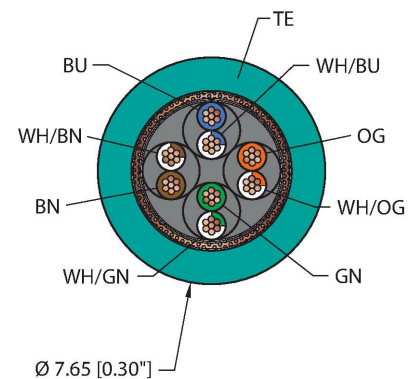
### Technische Daten

|                                 |                           |
|---------------------------------|---------------------------|
| Type                            | RJ45S RJ45S 841-7.5M      |
| ID                              | U-72520                   |
| Connector A                     | 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                   |
| 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                         |
| Cable diameter                  | Ø 7.65 mm                 |
| Length (L)                      | 7.5 m                     |
| Cable jacket                    | TPE, Teal                 |

### Features

- UL US CE UK CA RoHS compliant
- RJ45, Male, Straight, 8-pin, Shielded
- 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

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| 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                         | 1.5 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                                 |

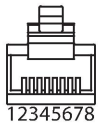
| Approval  |                                 |
|-----------|---------------------------------|
| Approvals | UL Listed<br>CE<br>UKCA<br>RoHS |

| 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. |

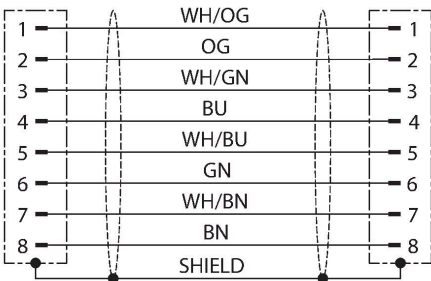
Connector A



Connector B



## Circuit Diagram



## Technische Daten

- We reserve the right to make technical alterations without prior notice.

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