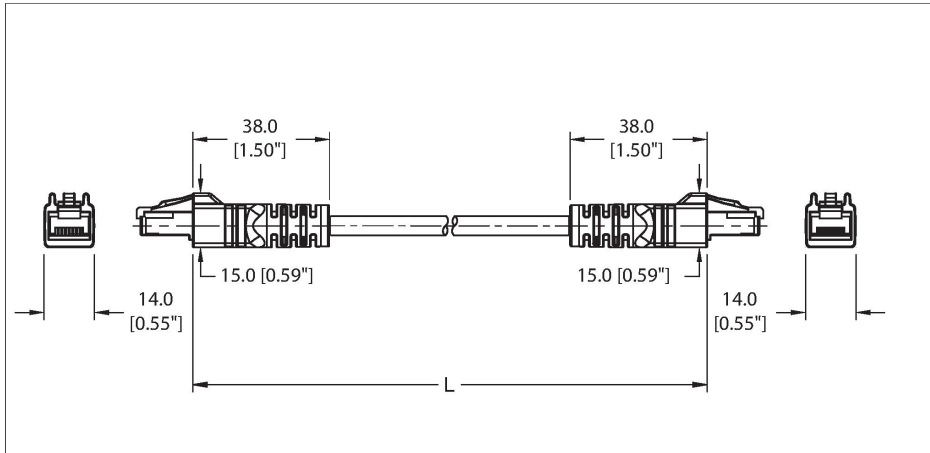


# RJ45S RJ45S 441-15.3M

## Industrial Ethernet Cable – Extension Cable



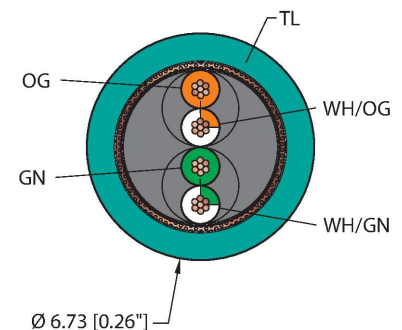
### Technische Daten

|                                 |                           |
|---------------------------------|---------------------------|
| Type                            | RJ45S RJ45S 441-15.3M     |
| ID                              | U-76890                   |
| 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                        | RF51211                   |
| Fieldbus                        | Ethernet, 441             |
| Total number of conductors      | 4                         |
| Cable diameter                  | Ø 6.73 mm                 |
| Length (L)                      | 15.3 m                    |
| Cable jacket                    | TPE, Teal                 |

### Features

- RJ45, Male, Straight, 8-pin, Shielded
- RJ45, Male, Straight, 8-pin, Shielded
- Industrial Ethernet Cable
- fieldbus type: Ethernet CAT5E, Teal TPE jacket, shielded, 2UTPX24 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                          | OG, WH/OG, GN, WH/GN                                                                                                                                                                 |
| <b>Sub assembly 1</b>                     |                                                                                                                                                                                      |
| Description of assembly                   | UTP (Unshielded Twisted Pair)                                                                                                                                                        |
| Number of pairs                           | 2                                                                                                                                                                                    |
| Conductor diameter                        | 0.048 "                                                                                                                                                                              |
| 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                             | 42 V                                                                                                                                                                                 |
| Current                                   | 1.5 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 Listed<br>CE<br>UKCA<br>RoHS                                                                                                                                                      |
| <b>Note</b>                               |                                                                                                                                                                                      |
|                                           | - 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. |

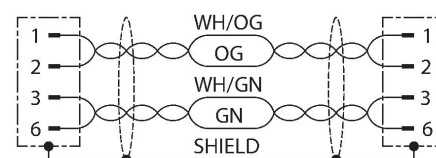
Connector A



Connector B



## Circuit Diagram



## Technische Daten

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

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