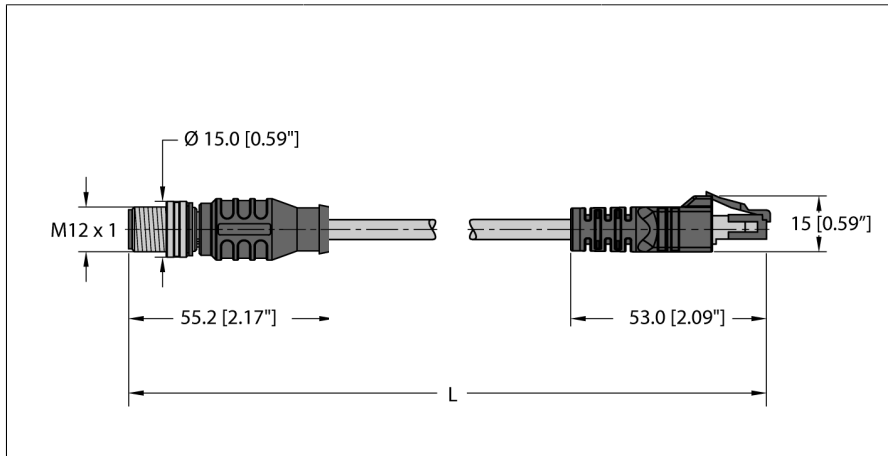


# Industrial Ethernet Cable

## RSSX RJ45S 860-5M

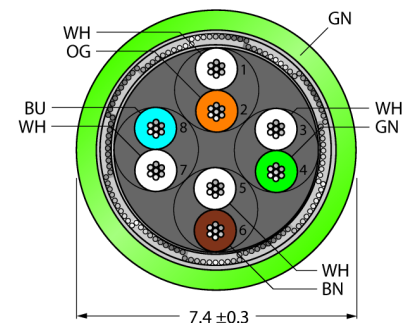


- Ethernet-Leitung: 8-polig, AWG 26, CAT 6A
- Mantelmaterial: TPE
- Mantelfarbe: grün
- Manteldurchmesser: 7.4 mm
- Paarverseilt und geschirmt
- Öl-beständig
- UV-beständig
- Schweißfunkenbeständig
- Schleppkettenfähig
- RoHS-konform
- Zulassung: UL
- Schutzart IP67
- RJ45 male connector, straight, 8-pin
- M12 male, straight, 8-pin
- Cable length: 5.0 m

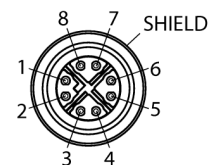
|                                        |                                                            |
|----------------------------------------|------------------------------------------------------------|
| <b>Type designation</b>                | RSSX RJ45S 860-5M                                          |
| <b>Ident no.</b>                       | U2-29224                                                   |
| <b>Connector A</b>                     | Male, M12×1, Straight                                      |
| Number of pins                         | 8                                                          |
| Contacts                               | Metal, CuZn, Gold-plated                                   |
| Contact carriers                       | Plastic, TPU, Black                                        |
| Connector body                         | Plastic, TPU, Black                                        |
| Coupling nut/screw                     | Brass, CuZn, Nickel-plated                                 |
| Mechanical lifespan                    | > 100 Mating cycles                                        |
| Pollution degree                       | 3                                                          |
| Protection class                       | IP67, A + B side screwed together                          |
| Tightening torque (range)              | 0.8 ... 1 Nm<br>(observe max. torque of mating connector!) |
| <b>Connector B</b>                     | Connectors, RJ45, Straight                                 |
| Number of pins                         | 8 pins                                                     |
| Contacts                               | Metal, CuSn, Gold-plated                                   |
| Contact carriers                       | Plastic, PC, Transparent                                   |
| Connector body                         | plastic, TPU, Black                                        |
| Protection class                       | IP20                                                       |
| <b>Cable diameter</b>                  | 7.4 ± 0.30mm                                               |
| Cable length                           | 5 m                                                        |
| Cable jacket                           | TPE, Green                                                 |
| Shielding                              | Aluminum/Polyester foil, tinned copper wire                |
| Conductor insulation                   | PE                                                         |
| Conductor colors                       | WH(OG) OG;WH(GN) GN;WH(BN) BN;WH(BU) BU                    |
| Core cross-section                     | 8x0.13mm <sup>2</sup>                                      |
| <b>Electrical properties at +20 °C</b> |                                                            |
| Rated voltage                          | 48 V                                                       |
| Current                                | 0.5 A                                                      |

|                                           |                    |
|-------------------------------------------|--------------------|
| <b>Mechanical and chemical properties</b> |                    |
| Torsional stress                          | ± 270 °/m          |
| Torsionszyklen                            | ≤ 3 Mio.           |
| Cable flex rating                         | 1 million Cycles * |
| Cycles*                                   | 10 million *       |
| Ambient temperature                       |                    |
| Stationary                                | -20...+75°C        |
| In motion                                 | -20...+75°C        |

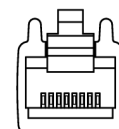
### Cable Cross-section



### Pin Assignment Left



### Pin Assignment Right



12345678

### Circuit Diagram

