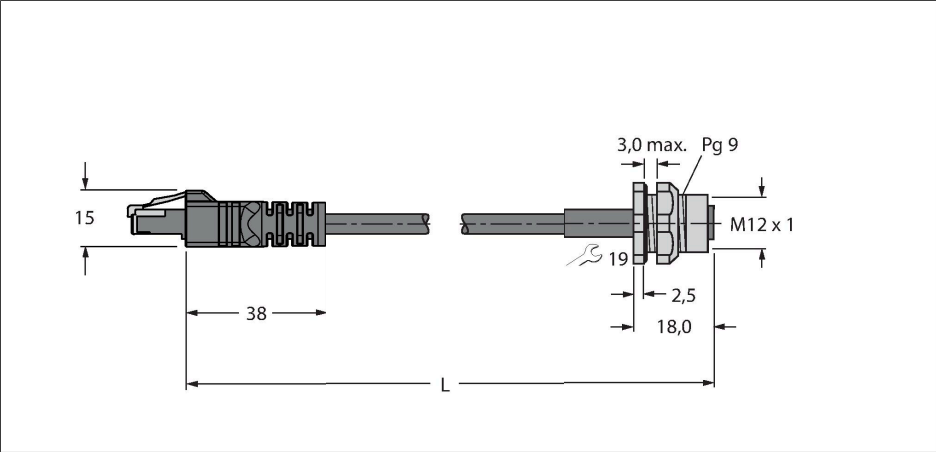


# RJ45S FKSD 841-0.5M

## Industrial Ethernet Cable – Extension Cable



### Technical data

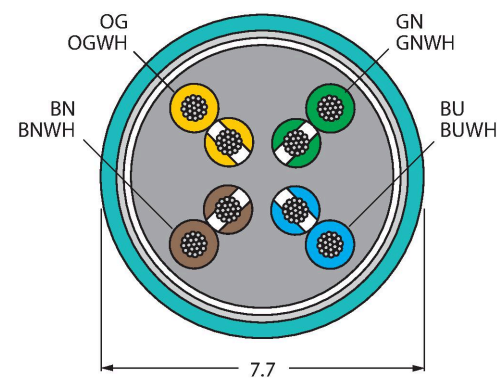
|                              |                                    |
|------------------------------|------------------------------------|
| Type                         | RJ45S FKSD 841-0.5M                |
| ID                           | U8627-05                           |
| Connector A                  | Male, RJ45, Straight               |
| Number of pins               | 8                                  |
| Contacts                     | Metal, CuSn, Gold-plated           |
| Contact carriers             | Plastic, PC, Transparent           |
| Connector body               | Plastic, TPU, Black                |
| Protection class             | IP20                               |
| Connector B                  | Female, M12 × 1, Straight, D-coded |
| Number of Pins               | 8                                  |
| Contacts                     | Metal, CuZn, Gold-plated           |
| Contact carriers             | Plastic, TPU                       |
| Connector body               | Metal, CuZn                        |
| Coupling nut/retaining screw | Brass, CuZn, Nickel-plated         |
| Flange housing               | Brass, CuZn, Nickel-plated         |
| Mounting type                | rear-mounted                       |
| Screw-in thread seal         | O ring                             |
| Screw-in Thread              | PG9                                |
| Lock nut/screw               | Brass, CuZn, Nickel-plated         |
| Protection class             | IP67, Only when screwed together   |
| Cable                        |                                    |
| Network protocol             | Ethernet, 841                      |
| Cable diameter               | Ø 7.7 mm                           |
| Cable length                 | 0.5 m                              |
| Cable jacket                 | TPE, Green                         |
| Shielding                    | yes                                |
| Core insulation              | PE                                 |

### Features

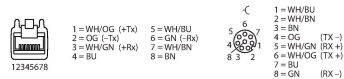


- Ethernet cable: 8-pin, AWG 24, shielded
- Jacket material: TPE, color: green
- Jacket diameter: 7.7 mm
- Suitable for drag chain use
- UL approval
- M12 female flange, 8-pin
- Back panel mounting, Pg 9
- RJ45 male connector, straight, 8-pin
- Cable length: 0.5 m

### Cable Cross-Section



### Contact assignment



### Heading wiring diagram 3

Pin Assignment Right

Technical data

|                                                                              |                                            |
|------------------------------------------------------------------------------|--------------------------------------------|
| Core cross-section                                                           | 8 x 0.21 mm²                               |
| Core colors                                                                  | WH/BU, WH/BN, BN, OG, WH/GN, WH/OG, BU, GN |
| Electrical properties at +20 °C                                              |                                            |
| Rated voltage                                                                | 42 V                                       |
| Current                                                                      | 1.5 A                                      |
| DC resistance (loop)                                                         | 94 Ω/km                                    |
| Nom. impedance                                                               | 100 Ω (1 MHz)                              |
| Nom. capacitance                                                             | 46 pF/m                                    |
| Mechanical and chemical properties                                           |                                            |
| Bending radius (flexible use)                                                | ≥ 10 x Ø                                   |
| Bending cycles                                                               | ≥ 1 million                                |
| Ambient temperature (fixed)                                                  | -40...+80 °C                               |
| Ambient temperature (mobile)                                                 | -40...+80 °C                               |
| Other Features                                                               |                                            |
| Qualified for drag chain use                                                 | yes                                        |
| UV resistance                                                                | yes                                        |
| Oil-resistant                                                                | yes                                        |
| Approvals                                                                    | UL                                         |
| Note                                                                         |                                            |
| - We reserve the right to make technical modifications without prior notice. |                                            |