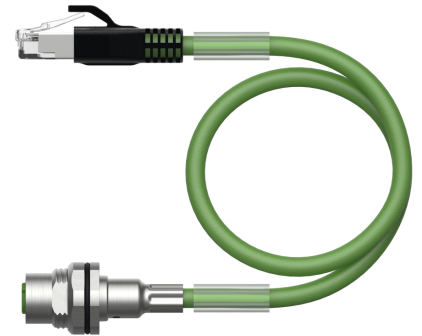
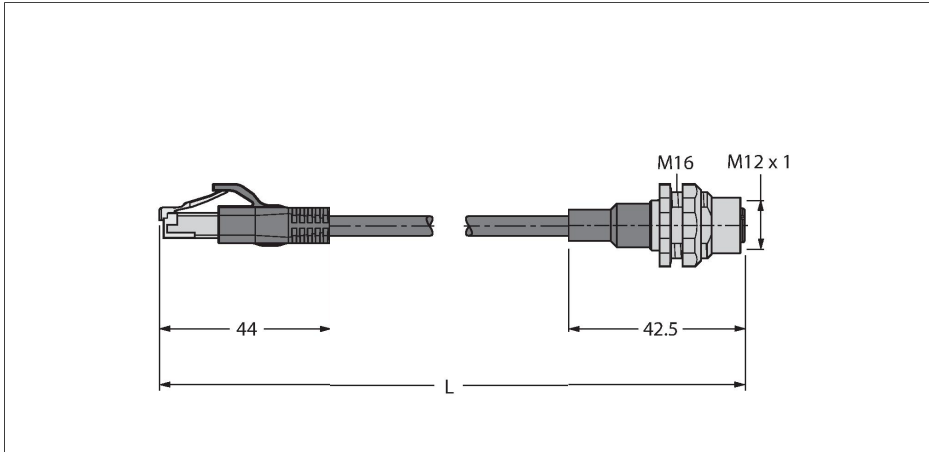


# RJ45S-FKSDX-8814-2M

## Industrial Ethernet Cable – Extension Cable



### Technical data

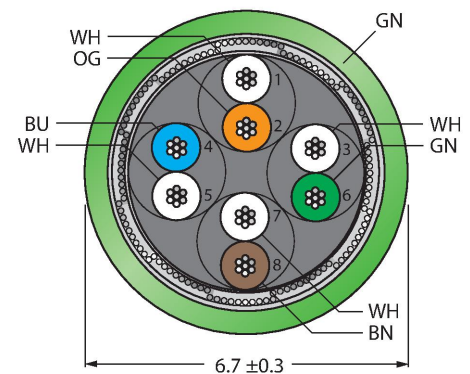
|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Type                            | RJ45S-FKSDX-8814-2M                     |
| ID                              | 100022055                               |
| Number of pins                  | 8                                       |
| Connector B                     | Female, M12 × 1                         |
| Contacts                        | Metal, CuZn, Gold-plated                |
| Contact carriers                | Plastic, TPU, Black                     |
| Connector body                  | Plastic, TPU, Black                     |
| Coupling nut/retaining screw    | Brass, CuZn, Nickel-plated              |
| Seal                            | Plastic, FPM/FKM                        |
| Tightening torque               | 0.8 ... 1 Nm                            |
| Mechanical life                 | > 100 Mating cycles                     |
| Pollution degree                | 3                                       |
| Protection class                | IP67, Only when screwed together        |
| Cable                           |                                         |
| Network protocol                | Ethernet                                |
| Cable diameter                  | Ø 8.9 mm ±0.30                          |
| Cable length                    | 2 m                                     |
| Cable jacket                    | PUR, Green                              |
| Shielding                       | yes                                     |
| Core insulation                 | PE                                      |
| Core cross-section              | 8 x 0.14 mm <sup>2</sup>                |
| Arrangement of strands          | 0.16 mm                                 |
| Core colors                     | WH(OG) OG;WH(GN) GN;WH(BN) BN;WH(BU) BU |
| Electrical properties at +20 °C |                                         |
| Test voltage                    | 700 V                                   |
| Current                         | 0.5 A                                   |

### Features

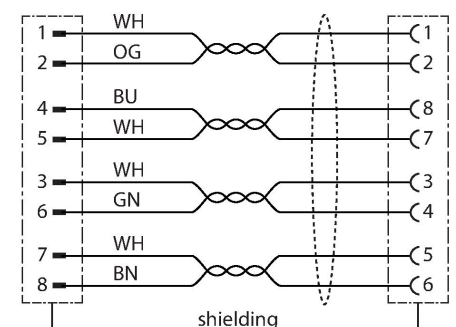


- RJ45 male connector, straight, 8-pin
- M12 female receptacle, straight
- Cable length: 2.0 m

### Cable Cross-Section



### Circuit Diagram



## Technical data

| Mechanical and chemical properties       |                              |
|------------------------------------------|------------------------------|
| Bending radius (stationary installation) | $\geq 5 \times \varnothing$  |
| Bending radius (flexible use)            | $\geq 10 \times \varnothing$ |
| Ambient temperature (fixed)              | -40...+80 °C                 |
| Ambient temperature (mobile)             | -40...+80 °C                 |
| Other Features                           |                              |
| Qualified for drag chain use             | yes                          |
| PVC-free                                 | yes                          |
| UV resistance                            | yes                          |
| Oil-resistant                            | yes                          |
| Flame-retardant                          | yes                          |
| Approvals                                | cULus                        |