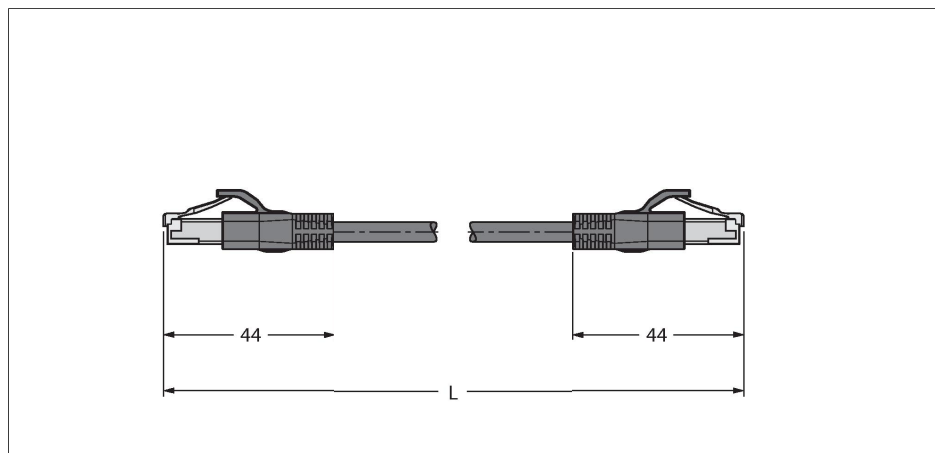


# RJ45S-RJ45S-8814-1M

## Industrial Ethernet Cable – Connection Cable



### Features

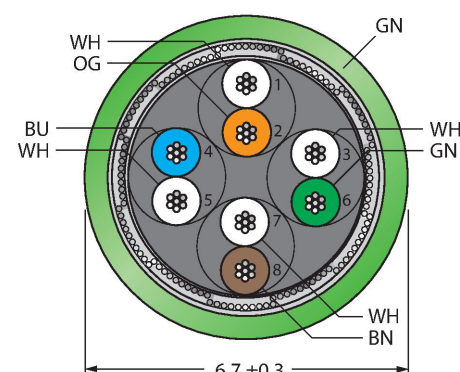


- Ethernet cable: 8-pin, AWG 26, CAT 6A
- Jacket material: PUR
- Jacket color: green
- Jacket diameter: 6.7 mm
- Twisted pair, shielded
- Oil resistant acc. to DIN EN 60811-404 (7 × 24 h/90 °C)
- UV resistant
- Flame retardant acc. to IEC 60332-2
- Approval: cULus
- RoHS compliant (2011/65/EC)
- RJ45 male connector, straight, 8-pin
- RJ45 male connector, straight, 8-pin
- Cable length: 1.0 m

### Technical data

|                        |                          |
|------------------------|--------------------------|
| Type                   | RJ45S-RJ45S-8814-1M      |
| ID                     | 100000691                |
| Connector A            | Male, RJ45, Straight     |
| Number of pins         | 8                        |
| Contacts               | Metal, CuZn, Gold-plated |
| Contact carriers       | Plastic, PC              |
| Connector body         | Plastic, TPU, Black      |
| Mechanical lifespan    | > 100 Mating cycles      |
| Pollution degree       | 3/2                      |
| Protection class       | IP20                     |
| Connector B            | Male, RJ45, Straight     |
| Number of Pins         | 8                        |
| Contacts               | Metal, CuZn, Gold-plated |
| Contact carriers       | Plastic, PC              |
| Connector body         | Plastic, TPU, UL 94      |
| Mechanical life        | > 100 Mating cycles      |
| Pollution degree       | 3/2                      |
| Protection class       | IP20                     |
| Cable                  |                          |
| Network protocol       | Ethernet                 |
| Cable diameter         | Ø 8.9 mm ±0.30           |
| Cable length           | 1 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                  |

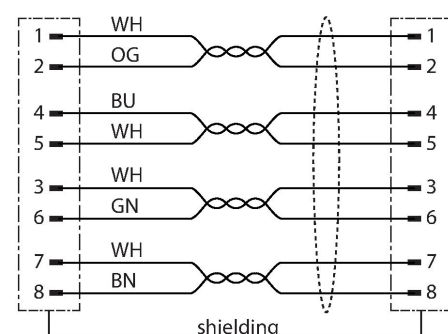
### Cable Cross-Section



### Contact assignment



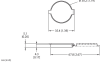
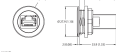
### Circuit Diagram



Technical data

|                                          |                                             |
|------------------------------------------|---------------------------------------------|
| Core colors                              | WH(OG) OG;WH(GN) GN;WH(BN) <br>BN;WH(BU) BU |
| Electrical properties at +20 °C          |                                             |
| Rated voltage                            | 48 V                                        |
| Test voltage                             | 700 V                                       |
| Current                                  | 0.5 A                                       |
| Mechanical and chemical properties       |                                             |
| Bending radius (stationary installation) | ≥ 5 x Ø                                     |
| Bending radius (flexible use)            | ≥ 10 x Ø                                    |
| 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                                       |

Accessories

| Dimension drawing                                                                   | Type                 | ID        |                                                                                            |
|-------------------------------------------------------------------------------------|----------------------|-----------|--------------------------------------------------------------------------------------------|
|  | VK-RJ45SF-88 (10PCS) | 100048233 | Verschlusskappe IP67 für RJ45 Adapter, Wanddurchführung, RJ45SF-RJ45SF-88                  |
|  | RJ45SF-RJ45SF-88     | 100048230 | Adapter, wall feedthrough, RJ45 female connector to RJ45 female connector, straight, 8-pin |