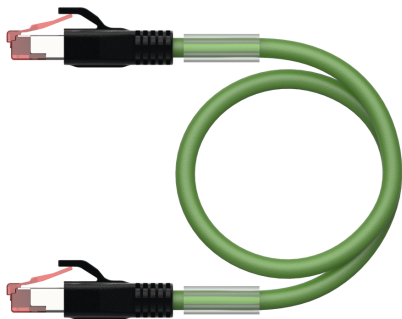


# RJ45S-RJ45S-4414-5M

## Industrial Ethernet Cable – Extension Cable



### Technical data

|                        |                                   |
|------------------------|-----------------------------------|
| Type                   | RJ45S-RJ45S-4414-5M               |
| ID                     | 6441425                           |
| Connector A            | Male, RJ45, Straight              |
| Number of pins         | 4                                 |
| 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         | 4                                 |
| 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, 4414                    |
| Cable diameter         | Ø 4.8 mm ±0.30                    |
| Cable length           | 5 m                               |
| Cable jacket           | PUR, Green                        |
| Shielding              | Aluminum foil, tinned copper wire |
| Core insulation        | PP                                |
| Core cross-section     | 4 x 0.15 mm <sup>2</sup>          |
| Arrangement of strands | 19 x 0.102 mm                     |

### Features

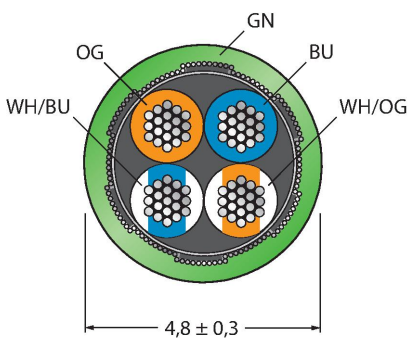


- Ethernet cable: 4-pin, AWG 26
- CAT 5E acc. to ISO/IEC 11801, EN 50173, EIA/TIA 568-A
- Jacket material: PUR
- Jacket color: green
- Shielding: aluminum-laminated polyester film, copper braid
- Jacket diameter: 4.8 mm
- Suitable for drag chain use
- UV resistant
- Oil resistant acc. to IEC 60811-2-1 and DIN VDE 0282 part 10
- Free from silicone, PVC and LABS
- Free from halogen acc. to IEC 60754-2
- Flame retardant acc. to IEC 60332-1-2
- Approval: cULus
- RoHS compliant
- Protection class IP67
- RJ45 male connector, straight, 4-pin
- RJ45 male connector, straight, 4-pin
- Cable length: 5.0 m

### Cable Cross-Section

Technical data

|                                          |                    |
|------------------------------------------|--------------------|
| Core colors                              | WHOG, WHBU, BU, OG |
| Electrical properties at +20 °C          |                    |
| Rated voltage                            | 42 V               |
| Test voltage                             | 700 V              |
| Current                                  | 1.5 A              |
| Nom. impedance                           | 100 Ω (1MHZ)       |
| Nom. capacitance                         | 51 pF/m            |
| Mechanical and chemical properties       |                    |
| Bending radius (stationary installation) | ≥ 15 x Ø           |
| Bending cycles                           | ≥ 5 million        |
| Torsional stress                         | ± 30 °/m           |
| Torsion cycles                           | Max. 100,000       |
| Ambient temperature (fixed)              | -40...+80 °C       |
| Ambient temperature (mobile)             | -25...+80 °C       |
| Other Features                           |                    |
| Qualified for drag chain use             | yes                |
| Halogen-free                             | yes                |
| Silicone-free                            | yes                |
| PVC-free                                 | yes                |
| Resistant to weld splatter               | yes                |
| Resistant to chemicals                   | yes                |
| UV resistance                            | yes                |
| Oil-resistant                            | yes                |
| Flame-retardant                          | yes                |
| Approvals                                | cULus              |



Contact assignment



Circuit Diagram

