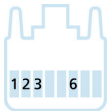
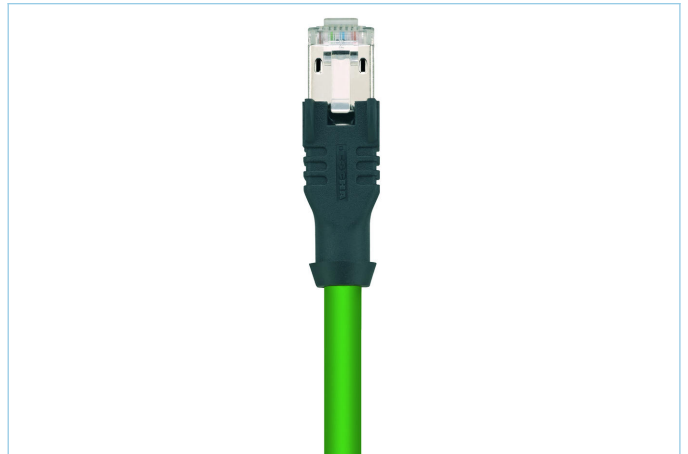
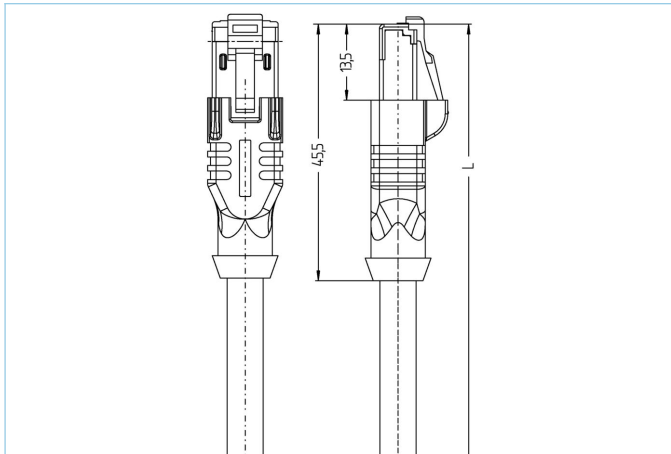


## RJ45, male, straight, 4 poles, shielded, Industrial Ethernet 100 MBit/s



### Product data

|                    |                        |
|--------------------|------------------------|
| Item description   | IE-RJ45SS4.003-m/S5100 |
| Item-No.           | V0008333               |
| Länge              | on demand              |
| Customs tariff-No. | 85444290               |
| Step-File          | IE-RJ45SS4_003.stp     |

### Technical data

|                                |                                  |
|--------------------------------|----------------------------------|
| Connector                      | male, straight, RJ45             |
| Number of pins                 | 4                                |
| Pin assignment                 | 1 YE, 2 OG, 3 WH, 6 BU           |
| Allocation                     | Industrial                       |
| Rated voltage                  | 60V                              |
| Current load per pin (at 40°C) | 1A                               |
| Insulation resistance          | ≥10 <sup>9</sup> Ω               |
| Transmission features          | Cat5e                            |
| Ambient temperature product    | -40°C...+70°C                    |
| Contact material               | Metal, CuSn, gold-plated         |
| Contact-carrier material       | Plastic, PA UL94-V0, transparent |
| Grip body material             | Plastic, TPE, BK                 |
| Material of shielding housing  | Metal, CuZn, nickel-plated       |
| Shielding                      | with shielding                   |
| Standards                      | IEC 60603-7-5                    |
| Degree of protection (mounted) | IP20                             |
| Mechanical life-cycle          | >750 mating cycles               |
| Cable end assembly             | open cable end                   |
| Degree of pollution            | 1                                |
| Style                          | straight                         |

## Cable web

## Cat5e, PUR, UL, S5100, PROFINET Type R

Shielded, PUR-cable for industrial applications. The cable is UL-verified or meets the Cat5e (electrical properties of EN 50288-2-1) requirements. Materials and a constructive setup allow for increased mechanical stresses (abrasion, bending, vibrations etc.) of the cable. This cable is especially suitable for robotic applications.

|                              |                                                                                                                                                                                                                                                                                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket     | 6.50 mm                                                                                                                                                                                                                                                                            |
| Cable-jacket material        | PUR                                                                                                                                                                                                                                                                                |
| Jacket color                 | GN, similar RAL6018                                                                                                                                                                                                                                                                |
| Wire cross-section           | 1 x 4 x AWG22, star quad                                                                                                                                                                                                                                                           |
| Wire insulation material     | PE                                                                                                                                                                                                                                                                                 |
| Wire colors                  | YE/OG ; WH/BU                                                                                                                                                                                                                                                                      |
| Wire structure               | 19 x 0.15 mm                                                                                                                                                                                                                                                                       |
| Bending radius (fixed)       | 5 x Ø-cable                                                                                                                                                                                                                                                                        |
| Bending radius (repeated)    | 10 x Ø-cable                                                                                                                                                                                                                                                                       |
| Temperature range (repeated) | -20°C...+80°C                                                                                                                                                                                                                                                                      |
| Temperature range (fixed)    | -40°C...+80°C                                                                                                                                                                                                                                                                      |
| Drag chain-application       | 5 Mio. bending cycles; bending radius 75 mm; maximum acceleration 20 m/s²; maximum horizontal speed 300 m/min; maximum length horizontal of cable 5 m                                                                                                                              |
| Halogen-free                 | Yes                                                                                                                                                                                                                                                                                |
| Torsion                      | >5 Mio. cycles; ±180°/m                                                                                                                                                                                                                                                            |
| Transmission features        | Cat5e                                                                                                                                                                                                                                                                              |
| Rated voltage cable          | 600 V UL rating                                                                                                                                                                                                                                                                    |
| Special features             | flame retardant, halogen free, high flexibility, hydrolysis proof, LABS free, microbes resistant, oil resistant, ozone resistant, PROFINET Type R, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, seawater resistant, torsion resistant, UV resistant |

## Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27060308 |
| eCl@ss 8.0 | 27060308 |
| eCl@ss 9.0 | 27060308 |
| ETIM 5.0   | EC002599 |
| ETIM 6.0   | EC002599 |