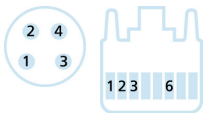
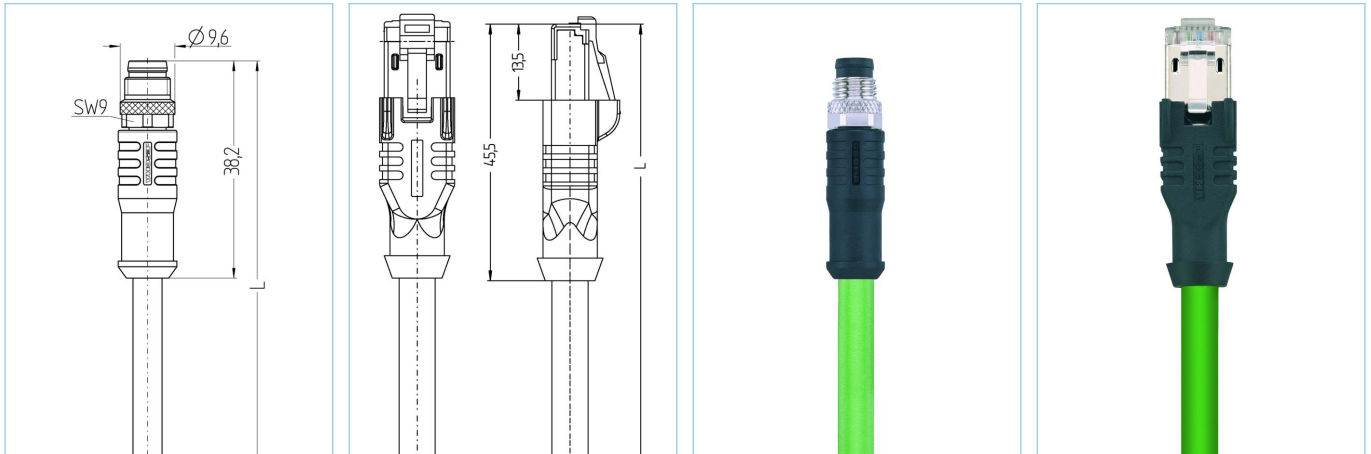


# M8, male, straight, 4 poles, RJ45, male, straight, 8 poles, shielded, Industrial Ethernet



EtherCAT



## Product data

|                    |                                       |
|--------------------|---------------------------------------|
| Item description   | IE-SSPS4.027-1,5-IE-RJ45SS8.005/S3400 |
| Item-No.           | 8097691                               |
| Length             | 1.5m                                  |
| Customs tariff-No. | 85444290                              |
| Step-File          | IE-SSPS4-m-IE-RJ45SS8.stp             |
| EAN                | 4047106277116                         |

| Technical data                 | A-side                                | B-side                     |
|--------------------------------|---------------------------------------|----------------------------|
| Connector                      | male, straight, M8                    | male, straight, RJ45       |
| Number of pins                 | 4                                     | 4                          |
| Pin assignment                 | 1 WHOG, 2 WHBU, 3 BU, 4 OG            | 1 WHOG, 2 OG, 3 WHBU, 6 BU |
| Allocation                     |                                       | T568B                      |
| Rated voltage                  | 50V <sub>AC</sub>   60V <sub>DC</sub> | 60V                        |
| Current load (at 40°C)         | 4A                                    | 1A                         |
| Insulation resistance          | ≥10 <sup>8</sup> Ω                    | ≥10 <sup>8</sup> Ω         |
| Transmission features          | Cat5e                                 | Cat5e                      |
| Ambient temperature product    | -30°C...+90°C                         | -40°C...+70°C              |
| Contact material               | Metal, CuZn, gold-plated              | Metal, CuSn, gold-plated   |
| Contact-carrier material       | Plastic, PA, BK                       | Plastic                    |
| Grip body material             | Plastic, TPU, BK                      | Plastic, TPU, BK           |
| Coupling nut material          | Metal, CuZn, nickel-plated            |                            |
| Shielding                      | with shielding                        | with shielding             |
| Material of shielding housing  |                                       | Metal, CuZn, nickel-plated |
| Standards                      | IEC 61076-2-104                       | IEC 60603-7-5              |
| Degree of protection (mounted) | IP65, IP67, IP68                      | IP20                       |
| Mechanical life-cycle          | >100 mating cycles                    | >750 mating cycles         |
| Degree of pollution            | 3/2                                   | 1                          |

## Cable web

## Cat5e, PUR, UL, S3400

Shielded PUR Ethernet-cable for industrial applications. Fits to real-time requirements according to IEC61158. The cable meets the UL-Style 21815 (80°/300V)- and the Cat5 (electrical properties according to EN50288-2-2) requirements. Materials and a constructive setup for increased mechanical stresses (abrasion, bending, vibrations etc.) of the cable. Drag-chain/torsion operations are possible. High tensile strength through incorporated Kevlar-strands.

|                              |                                                                                                                                                                                                                               |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer diameter of jacket     | 4.80 mm                                                                                                                                                                                                                       |
| Cable-jacket material        | PUR                                                                                                                                                                                                                           |
| Jacket color                 | GN, similar RAL6018                                                                                                                                                                                                           |
| Wire cross-section           | 1 x 4 x AWG26, star quad                                                                                                                                                                                                      |
| Wire insulation material     | PP                                                                                                                                                                                                                            |
| Wire colors                  | WHBU/BU, WHOG/OG                                                                                                                                                                                                              |
| Wire structure               | 19 x 0.10 mm                                                                                                                                                                                                                  |
| Bending radius (fixed)       | 4 x Ø-cable                                                                                                                                                                                                                   |
| Bending radius (repeated)    | 7,5 x Ø-cable                                                                                                                                                                                                                 |
| Temperature range (repeated) | -30°C...+70°C                                                                                                                                                                                                                 |
| Temperature range (fixed)    | -40°C...+80°C                                                                                                                                                                                                                 |
| Transmission features        | Cat5                                                                                                                                                                                                                          |
| Rated voltage cable          | 300 V UL rating                                                                                                                                                                                                               |
| Special features             | halogen free, high flexibility, hydrolysis proof, LABS free, microbes resistant, oil resistant, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, seawater resistant, UV resistant |

## Classification

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27060307 |
| eCl@ss 7.0 | 27060307 |
| eCl@ss 8.0 | 27060307 |
| eCl@ss 9.0 | 27060307 |
| ETIM 5.0   | EC000830 |
| ETIM 6.0   | EC000830 |

## Accessories

### Torque-wrench set

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8055431>

### Marking rings Ø 9mm

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=809>

### Screw cap, M8

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8081761>

### Unlocking clip for RJ45

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=807>