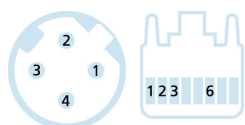
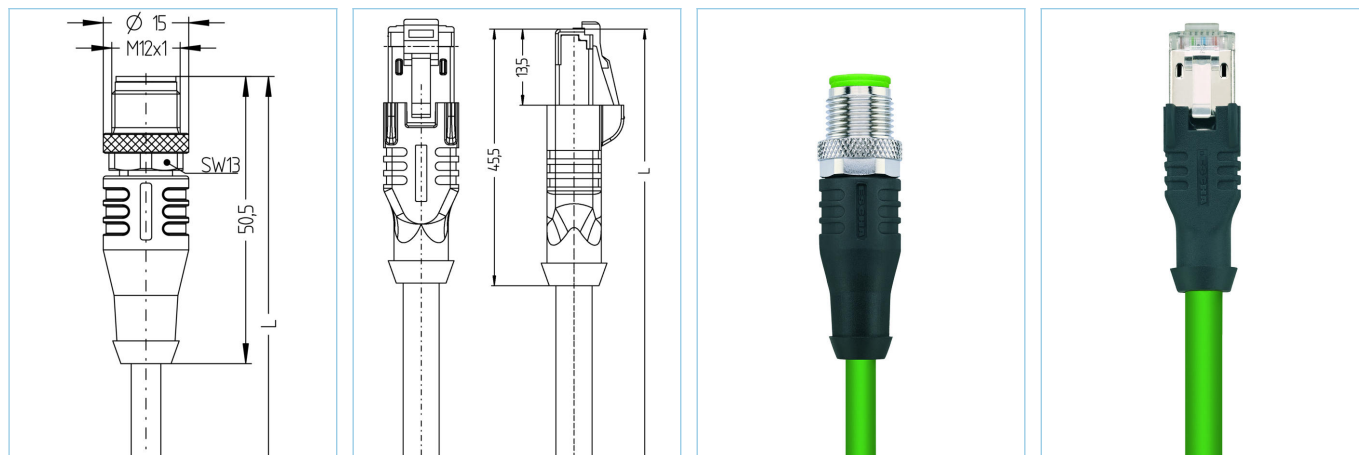


M12, male, straight, 4 poles, D-coded, RJ45, male, straight, 8 poles, shielded, Industrial Ethernet 100 MBit/s



#### Product data

|                    |                                        |
|--------------------|----------------------------------------|
| Item description   | IE-WASSY4.082-0,5-IE-RJ45SS8.005/S3400 |
| Item-No.           | 8056816                                |
| Length             | 0.5m                                   |
| Customs tariff-No. | 85444290                               |
| Step-File          | IE-WASSY4_082-_IE-RJ45SS8_005.stp      |
| EAN                | 4047106211639                          |

| Technical data                 | A-side                     | B-side                     |
|--------------------------------|----------------------------|----------------------------|
| Connector                      | male, straight, M12        | male, straight, RJ45       |
| Number of pins                 | 4                          | 4                          |
| Pin assignment                 | 1 WHOG, 2 WHBU, 3 OG, 4 BU | 1 WHOG, 2 OG, 3 WHBU, 6 BU |
| Coding of                      | D                          |                            |
| Rated voltage                  | 60V                        | 60V                        |
| Current load (at 40°C)         | 4A                         | 1A                         |
| Insulation resistance          | $\geq 10^9 \Omega$         | $\geq 10^9 \Omega$         |
| Transmission features          | Cat5e                      | Cat5e                      |
| Ambient temperature product    | -30°C...+90°C              | -40°C...+70°C              |
| Contact material               | Metal, CuSn, gold-plated   | Metal, CuZn, gold-plated   |
| Contact-carrier material       | Plastic, TPU, GN           | Plastic                    |
| Grip body material             | Plastic, TPU, BK           | Plastic, TPU, BK           |
| Coupling nut material          | Metal, CuZn, nickel-plated |                            |
| Shielding                      | with shielding             | with shielding             |
| Standards                      | IEC 61076-2-101            | 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                          | 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>

### Unlocking clip for RJ45

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

### Screw cap, M12

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=811>