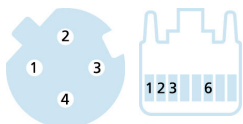
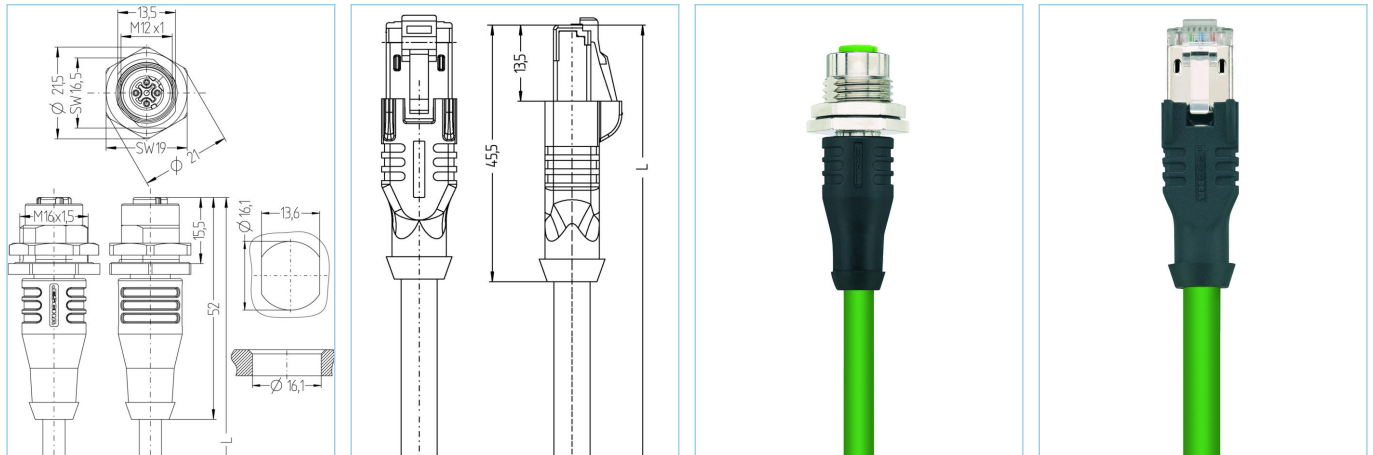


# Receptacle Double-ended cordset, M12, female, straight, 4 poles, D-coded, RJ45, male, straight, 4 poles, shielded, Industrial Ethernet



## Product data

|                    |                                       |
|--------------------|---------------------------------------|
| Item description   | IE-FKFDSY4.029-5-IE-RJ45SS4.003/S2171 |
| Item-No.           | 8064025                               |
| Length             | 5m                                    |
| Customs tariff-No. | 85444290                              |
| Step-File          | IE-FKFDSY4-L-IE-RJ45SS4.stp           |
| EAN                | 4047106152710                         |

| Technical data                 | A-side                     | B-side                     |
|--------------------------------|----------------------------|----------------------------|
| Connector                      | female, straight, M12      | male, straight, RJ45       |
| Number of pins                 | 4                          |                            |
| Pin assignment                 | 1 YE, 2 WH, 3 OG, 4 BU     | 1 YE, 3 WH, 2 OG, 6 BU     |
| Coding of                      | D                          |                            |
| Rated voltage                  | 250V                       | 60V                        |
| Current load (at 40°C)         | 4A                         | 1A                         |
| Insulation resistance          | $\geq 10^8 \Omega$         |                            |
| 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, PA, GN            | Plastic                    |
| Grip body material             | Plastic, TPU, BK           | Plastic, TPU, BK           |
| Receptacle housing material    | Metal, CuZn, nickel-plated |                            |
| Material of external sealing   | NBR                        |                            |
| Shielding                      | with shielding             | with shielding             |
| Material of shielding housing  |                            | Metal, CuZn, nickel-plated |
| Sealing (female) material      | FPM/FKM                    |                            |
| Standards                      | IEC 61076-2-101/109        | 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                          |

#### Advanced technical data UL

|               |                      |
|---------------|----------------------|
| Rated voltage | 48V <sub>AC/DC</sub> |
| Rated current | 1,0A                 |

#### Cable web Cat5e, PUR, UL, S2171, PROFINET

Shielded, PUR-cable for industrial applications. The cable is CMX-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. A drag-chain application with up to 3 million bending cycles is possible.

|                              |                                                                                                                                                                                                                                                                               |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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     | FRNC                                                                                                                                                                                                                                                                          |
| Wire colors                  | WH, BU, OG, YE                                                                                                                                                                                                                                                                |
| Wire structure               | 7 x 0.25 mm                                                                                                                                                                                                                                                                   |
| Bending radius (fixed)       | 4 x Ø-cable                                                                                                                                                                                                                                                                   |
| Bending radius (repeated)    | 8 x Ø-cable                                                                                                                                                                                                                                                                   |
| Temperature range (repeated) | -30°C...+70°C                                                                                                                                                                                                                                                                 |
| Temperature range (fixed)    | -40°C...+75°C                                                                                                                                                                                                                                                                 |
| Drag chain-application       | 3 Mio. bending cycles                                                                                                                                                                                                                                                         |
| Acceleration Drag chain      | max. 4m/s <sup>2</sup>                                                                                                                                                                                                                                                        |
| Halogen-free                 | Yes                                                                                                                                                                                                                                                                           |
| 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 C, recyclable, RoHS compliant, acid- and alkali resistant, drag chain-adapted, seawater resistant, UN ECE R 118, UV resistant |
| Geschwindigkeit Schleppkette | max. 4m/s                                                                                                                                                                                                                                                                     |

#### 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 |

#### Link to product

<https://www.escha.net/en/products/standard/data-connectors/8064025>