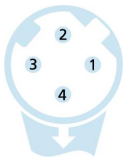


# M12, Push-Pull inner locking, male, angled, 4 poles, D-coded, shielded, Industrial Ethernet 100 MBit/s



## Product data

|                    |                           |
|--------------------|---------------------------|
| Item description   | IE-PPIWWASSY4.029-5/S2171 |
| Item-No.           | 8122936                   |
| Length             | 5m                        |
| Customs tariff-No. | 85444290                  |
| Step-File          | IE-PPIWWASSY4.stp         |
| EAN                | 4047106343941             |

## Technical data

|                                |                             |
|--------------------------------|-----------------------------|
| Connector                      | male, angled, M12 Push-Pull |
| Number of pins                 | 4                           |
| Pin assignment                 | 1 YE, 2 WH, 3 OG, 4 BU      |
| Coding                         | D                           |
| Rated voltage                  | 60V DC                      |
| Current load per pin (at 40°C) | 4A                          |
| Insulation resistance          | $\geq 10^9 \Omega$          |
| Resistance                     | $\leq 5m\Omega$             |
| Transmission features          | Cat5e                       |
| Ambient temperature product    | -30°C...+90°C               |
| Contact material               | Metal, CuSn, gold-plated    |
| Contact-carrier material       | Plastic, TPU, GN            |
| Grip body material             | Plastic, TPU, BK            |
| Material of shielding housing  | Zinc die-cast               |
| Shielding                      | with shielding              |
| Standards                      | IEC 61076-2-010             |
| Degree of protection (mounted) | IP65, IP67, IP68            |
| Mechanical life-cycle          | >100 mating cycles          |
| Cable end assembly             | open cable end              |
| Degree of pollution            | 3                           |
| Style                          | angled                      |

## 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 |

## Accessories

### Marking rings Ø 9mm

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

### Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066215>

### Cable Stripping Tool

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8066216>