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





EtherCAT.
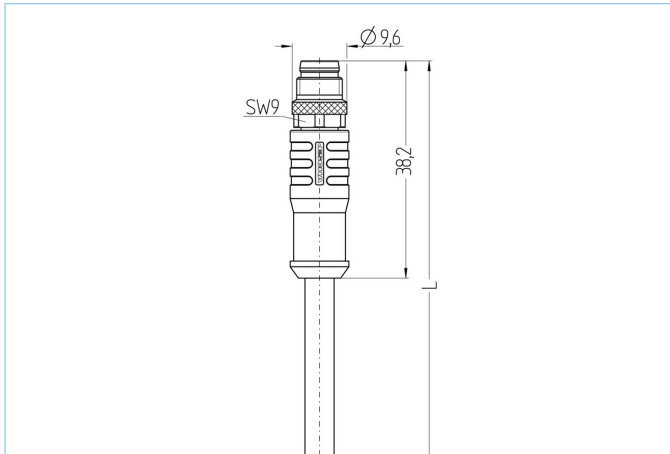
## Product data

| | |
|---|---|
| Item description | IE-SSPS4.027-m/S3400 |
| Item-No. | V0004380 |
| Länge | on demand |
| Customs tariff-No. | 85444290 |
| Step-File | IE-SSPS4-m.stp |

## Technical data

| | |
|---|---|
| Connector | male, straight, M8 |
| Number of pins | 4 |
| Pin assignment | 1 WHOG, 2 WHBU, 3 BU, 4 OG |
| Coding | A |
| Rated voltage | 60V |
| Current load per pin (at 40°C) | 4A |
| Insulation resistance | $\geq 10^8 \Omega$ |
| Resistance | $\leq 5 m\Omega$ |
| Transmission features | Cat5e |
| Ambient temperature product | -30°C...+90°C |
| Contact material | Metal, CuZn, gold-plated |
| Contact-carrier material | Plastic, PA, BK |
| Grip body material | Plastic, TPU, BK |
| Coupling nut material | Metal, CuZn, nickel-plated |
| Shielding | with shielding |
| Standards | IEC 61076-2-104 |
| Degree of protection (mounted) | IP65, IP67, IP68 |
| Mechanical life-cycle | >100 mating cycles |
| Cable end assembly | open cable end |
| Degree of pollution | 3/2 |
| Style | straight |

| 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.

| | |
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| 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 |
|---|
| Mounting-clip, M8 |
| https://www.escha.net/en/products/standard/accessories-for-connectivity/8047658 |
| 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 |
| 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 |