

# C L12FW-S-20m-PUR



### Ordering information

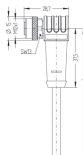
**Designation for ordering** C L12FW-S-20m-PUR  
**Part number** 902-51821  
**Order text** Power - I/O, Cable,20m, M12 / 12 pole, Angled Connector, shielded



| Electrical data                  |       |
|----------------------------------|-------|
| Rated voltage, side A [V]        | 30.00 |
| Rated voltage, side B [V]        | 30.00 |
| Volume resistivity [mΩ]          | ≥ 5   |
| Insulation resistance [MΩ]       | ≥ 1   |
| Rated current, side A (40°C) [A] | 1.50  |
| Rated current, side B (40°C) [A] | 10.00 |

| Mechanical data                      |                                                                                                                                                      |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable outer diameter [mm]            | 6.0                                                                                                                                                  |
| Bending radius fixed   movable       | 5 x Ø / 10 x Ø                                                                                                                                       |
| Bending cycles [M]                   | 2.00                                                                                                                                                 |
| Torsional cycles [M]                 | 1.00                                                                                                                                                 |
| Number of conductors x cross section | 12 x 0.14 mm <sup>2</sup>                                                                                                                            |
| Lead color                           | schwarz                                                                                                                                              |
| Lead material                        | PUR                                                                                                                                                  |
| Suitable for robotics                | Yes                                                                                                                                                  |
| Suitable for drag chain              | Ja                                                                                                                                                   |
| Ambient temperature: movable [°C]    | -30 ... 90                                                                                                                                           |
| Ambient temperature: fixed [°C]      | -40 ... 90                                                                                                                                           |
| Ambient temperature: drag chain [°C] | -25 ... 60                                                                                                                                           |
| Additional properties                | halogen-free, PWIS-free, flame-retardant, suitable for recycling, UV-resistant, alkali-resistant, acid-resistant, oil-resistant, vibration-resistant |
| Cable length [m]                     | 20.00                                                                                                                                                |
| Connection name                      | Seite A M12 12-pol. A-codiert                                                                                                                        |
| - Number of pins                     | 12                                                                                                                                                   |
| - Coding                             | A                                                                                                                                                    |
| - Thread                             | M12                                                                                                                                                  |
| Pigtail                              |                                                                                                                                                      |
| - Material                           | TPU, CuZn, vergoldet                                                                                                                                 |
| - Type                               | Socket                                                                                                                                               |
| - Tightening torque [Nm]             | 1.00                                                                                                                                                 |
| - Version                            | angled                                                                                                                                               |
| - Mechanical service life            | > 100 Steckzyklen                                                                                                                                    |
| - Protection class mounted           | IP 65, IP 67, IP 68                                                                                                                                  |
| - Plug color                         | schwarz                                                                                                                                              |
| Connection name                      |                                                                                                                                                      |
| - Number of pins                     |                                                                                                                                                      |
| - Coding                             |                                                                                                                                                      |
| - Thread                             |                                                                                                                                                      |
| Pigtail                              | Yes                                                                                                                                                  |
| - Material                           |                                                                                                                                                      |
| - Type                               |                                                                                                                                                      |

**Dimensional drawing**



**Connections**



- 1 = BN
- 2 = BU
- 3 = WH
- 4 = GN
- 5 = PK
- 6 = YE
- 7 = BK
- 8 = GY
- 9 = RD
- 10 = VT
- 11 = GY/PK
- 12 = RD/BU

**Product link**

<https://www.sensopart.com/en/products/details/902-51821>