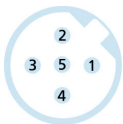
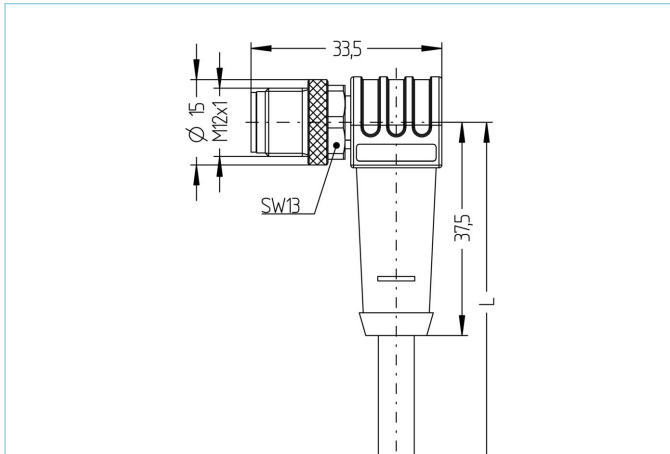


## Single-ended cordset, PROFIBUS, M12, shielded



### Product data

|                    |                        |
|--------------------|------------------------|
| Item description   | PB-WWASSW2.012-5/S1800 |
| Item-No.           | 8043877                |
| Length             | 5m                     |
| Customs tariff-No. | 85444290               |
| Step-File          | PB-WWASSW2-m.stp       |
| EAN                | 4047106003197          |

### Technical data

|                                |                            |
|--------------------------------|----------------------------|
| Connector                      | male, angled, M12          |
| Number of pins                 | 4                          |
| Pin assignment                 | 1 n.c., 2 GN, 3 n.c., 4 RD |
| Coding                         | B                          |
| Rated voltage                  | 60V                        |
| Current load (at 40°C)         | 4A                         |
| Insulation resistance          | $\geq 10^9 \Omega$         |
| Resistance                     | $\leq 5 m\Omega$           |
| Ambient temperature product    | -30°C...+90°C              |
| Contact material               | Metal, CuZn, gold-plated   |
| Contact-carrier material       | Plastic, TPU, VT           |
| Grip body material             | Plastic, TPU, BK           |
| Coupling nut material          | Metal, CuZn, nickel-plated |
| Shielding                      | with shielding             |
| Standards                      | IEC 61076-2-101            |
| Degree of protection (mounted) | IP65, IP67, IP68           |
| Mechanical life-cycle          | >100 mating cycles         |
| Cable end assembly             | open cable end             |
| Degree of pollution            | 3                          |

| Cable                                                                                                                                                                                                                                                                                                                                                   |  | PUR, UL, S1800, Profibus                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UL- and CSA-listed shielded PUR-cable for automation technology (control of sensors and actuators). Suited for common variants of PROFIBUS DP and PROFIBUS PA. Setup and materials used allow for applications under harsh environment conditions (abrasion, bending, vibrations etc.). Drag-chain application is possible. (>1million bending cycles). |  |                                                                                                                                                                                                                                                |
| Outer diameter of jacket                                                                                                                                                                                                                                                                                                                                |  | 7,60 mm                                                                                                                                                                                                                                        |
| Cable-jacket material                                                                                                                                                                                                                                                                                                                                   |  | PUR                                                                                                                                                                                                                                            |
| Jacket color                                                                                                                                                                                                                                                                                                                                            |  | VT similar RAL4001                                                                                                                                                                                                                             |
| Wire cross-section                                                                                                                                                                                                                                                                                                                                      |  | 1 x 2 x 0.34 mm <sup>2</sup>                                                                                                                                                                                                                   |
| Wire insulation material                                                                                                                                                                                                                                                                                                                                |  | PE                                                                                                                                                                                                                                             |
| Wire colors                                                                                                                                                                                                                                                                                                                                             |  | RD, GN                                                                                                                                                                                                                                         |
| Conductor structure                                                                                                                                                                                                                                                                                                                                     |  | 19 x 0.15 mm                                                                                                                                                                                                                                   |
| Bending radius (fixed)                                                                                                                                                                                                                                                                                                                                  |  | 5 x Ø-cable                                                                                                                                                                                                                                    |
| Bending radius (repeated)                                                                                                                                                                                                                                                                                                                               |  | 15 x Ø-cable                                                                                                                                                                                                                                   |
| Temperature range (repeated)                                                                                                                                                                                                                                                                                                                            |  | -25°C...+80°C                                                                                                                                                                                                                                  |
| Temperature range (fixed)                                                                                                                                                                                                                                                                                                                               |  | -50°C...+80°C                                                                                                                                                                                                                                  |
| Temperature range (drag chain)                                                                                                                                                                                                                                                                                                                          |  | -25°C...+60°C                                                                                                                                                                                                                                  |
| Drag chain-application                                                                                                                                                                                                                                                                                                                                  |  | >1Mio. cycles                                                                                                                                                                                                                                  |
| Shielding                                                                                                                                                                                                                                                                                                                                               |  | Yes                                                                                                                                                                                                                                            |
| Halogen-free                                                                                                                                                                                                                                                                                                                                            |  | Yes                                                                                                                                                                                                                                            |
| Rated voltage cable                                                                                                                                                                                                                                                                                                                                     |  | 300V                                                                                                                                                                                                                                           |
| Special features                                                                                                                                                                                                                                                                                                                                        |  | flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant, hydrolysis proof, drag chain-adapted, halogen free, oil resistant, high flexibility, microbes resistant |
| Classification                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                |
| eCl@ss 6.0                                                                                                                                                                                                                                                                                                                                              |  | 27279218                                                                                                                                                                                                                                       |
| eCl@ss 7.0                                                                                                                                                                                                                                                                                                                                              |  | 27279218                                                                                                                                                                                                                                       |
| eCl@ss 8.0                                                                                                                                                                                                                                                                                                                                              |  | 27279218                                                                                                                                                                                                                                       |
| eCl@ss 9.0                                                                                                                                                                                                                                                                                                                                              |  | 27060311                                                                                                                                                                                                                                       |
| ETIM 5.0                                                                                                                                                                                                                                                                                                                                                |  | EC001855                                                                                                                                                                                                                                       |
| ETIM 6.0                                                                                                                                                                                                                                                                                                                                                |  | EC001855                                                                                                                                                                                                                                       |
| Accessories                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                |
| Mounting-set, M12<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8047664/Mounting-set-M12-clips-and-screws-M4x8-black">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8047664/Mounting-set-M12-clips-and-screws-M4x8-black</a>                                                            |  |                                                                                                                                                                                                                                                |
| Torque-wrench set<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8055431/Torque-wrench-set-M8-M12">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8055431/Torque-wrench-set-M8-M12</a>                                                                                                    |  |                                                                                                                                                                                                                                                |
| Marking rings Ø 9mm<br><a href="https://www.escha.net/en/products/standard/accessories-for-connectivity/?p=1&amp;o=3&amp;n=15&amp;f=809">https://www.escha.net/en/products/standard/accessories-for-connectivity/?p=1&amp;o=3&amp;n=15&amp;f=809</a>                                                                                                    |  |                                                                                                                                                                                                                                                |
| Cable Stripping Tool<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066215/Cable-stripping-tool-4.40-7.00mm-outer-diameter">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066215/Cable-stripping-tool-4.40-7.00mm-outer-diameter</a>                                                   |  |                                                                                                                                                                                                                                                |
| Cable Stripping Tool<br><a href="https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066216/Cable-stripping-tool-3.20-4.40mm-outer-diameter">https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8066216/Cable-stripping-tool-3.20-4.40mm-outer-diameter</a>                                                   |  |                                                                                                                                                                                                                                                |