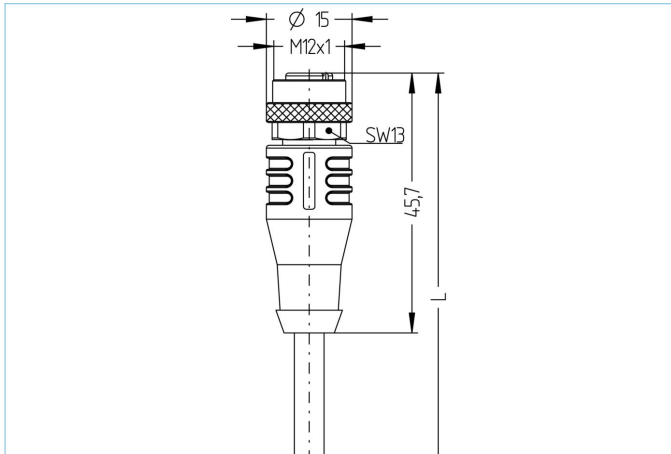


## M12, female, straight, 4 poles, B-coded, shielded, Profibus



### Product data

Item description	PB-WAKSW2.012-2/S1800
Item-No.	8043866
Length	2m
Customs tariff-No.	85444290
Step-File	PB-WAKSW2-m.stp
EAN	4047106003081

### Technical data

Connector	female, straight, M12
Number of pins	4
Pin assignment	1 n.c., 2 GN, 3 n.c., 4 RD
Coding	B
Rated voltage	60V
Current load per pin (at 40°C)	4A
Insulation resistance	≥10 <sup>9</sup> Ω
Resistance	≤ 5mΩ
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
Sealing (female) material	FPM/FKM
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
Style	straight

**Cable web** 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
Wire 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	300 V
Special features	flame retardant, 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	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-clip, M12**

<https://www.escha.net/en/products/standard/accessories-for-connectivity/8047660>

**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 plug, M12**

<https://www.escha.net/en/products/standard/accessories-for-connectivity?p=1&o=3&n=15&f=812>

**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>

**Link to product**

<https://www.escha.net/en/products/standard/data-connectors/8043866>