Valid from: 17.09.2018



## Description

- Bus system cable, 2-pins, shielded, PUR halogen-free, violet
- PROFIBUS
- Angled M12-plug on free conductor end
- Length of 2m

### **General characteristics**

Number of pins	2
Status display	no
AWG	24
UL-AWM-Style	21198 (30 °C / 300 V)
Ambient temperature	-25 °C to +90 °C (-13 °F to 194 °F) (connector)
	-40 °C to +80 °C (-40 °F to 176 °F) (cable fixed installation)
	-30 °C to +70 °C (-22 °F to 158 °F) (cable flexible)
Degree of protection	IP 65 / IP 67
Coding	B-inverse
Degree of protection	-40 °C to +80 °C (-40 °F to 176 °F) (cable fixed installation) -30 °C to +70 °C (-22 °F to 158 °F) (cable flexible) IP 65 / IP 67

# **Mechanical characteristics**

Conductor cross section	0.25 mm <sup>2</sup>	
Cable outer diameter	7.8 mm ±0.2 mm	
Core identification	Red, green	
Sheath colour	Violet, similar to RAL 4001	
Outer sheath, material	PUR	
Core insulation, material	Foamed PE	
Bending radius (min.)	78 mm	
Bending cycles (max.)	500000	
Travel speed	3 m/s	
Acceleration	$3 \text{ m/s}^2$	
Inflammability class acc. to UL 94	VO	
Flame resistance	UL 1581, Sec. 1060 (FT-1)	
	IEC60332-1	

### **Electrical characteristics**

Rated voltage	250 V
Rated current	4 A
Overvoltage category	II
Pollution degree	3
Volume resistance	$5~\mathrm{m}\Omega$
Conductor resistance	157.2 Ω/km
Insulation resistance	5 GΩ*km
Working capacity	30 nF
Wave impedance	Nom. 150 $\Omega$
Test voltage (core/core)	1500 V

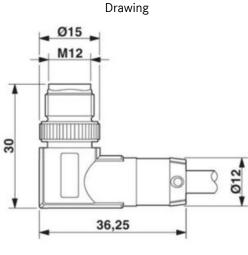
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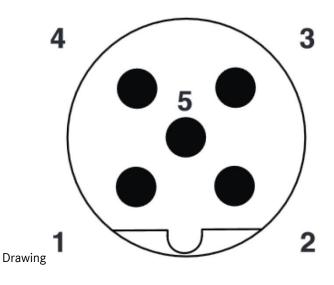
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AB-PB-M12MA-2,0PUR



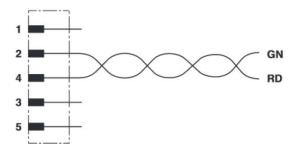
## **Technical drawing**





M12-plug, angled, shielded

Circuit diagram



Contact assignment the M12 connector

#### **Application range**

Automation, industrial machinery and plant engineering

## Note

Photographs are not to scale and do not represent detailed images of the respective products..

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