

Bus cable for PROFINET Pre-assembled at one end 4-core, shielded assembled with 1 x M12 D-coded Length 3.0 m



General technical data		
Product description		M12 plug, angled
Wire length	m	3
Cable designation		BUS: 2x2xAWG22/7 9YH(ST)C11Y
General technical data		
Ampacity per pin maximum	A	4
Operating voltage		
• at DC maximum	V	60
• at AC maximum	V	60
Surge voltage resistance rated value	kV	1.5
Impedance		
• at 100 MHz Rated value	Ω	100
Damping ratio per length		
• at 4 MHz maximum	dB/km	40.5
• at 10 MHz maximum	dB/m	0.065
• at 16 MHz maximum	dB/km	82.5
• at 100 MHz maximum	dB/m	0.22
Mechanical data		

Connector type		Plug/open
Connector coding of the M12 circular connector		D
Number of electrical cores		4
Type of cable outlet		angled
Number of poles		4
Color • of cable sheath • of the insulation of data wires		green yellow, white, orange, blue
Material • of cable sheath • of the wire insulation • of the enclosure		Polyurethane Polonium Thermoplastic polyurethane
Design of the shield		Shielding braid of tinned copper wire
Type of strain relief		molded
Bending radius • with single bend minimum permissible • with multiple bends minimum permissible	mm mm	33.5 100.5
Number of bending cycles		2 000 000
Mechanical service life (mating cycles)		100
Outer diameter • of inner conductor • of the cable	mm mm	0.75 6.7
Symmetrical tolerance of the outer diameter of the cable	mm	0.2
Conductor cross section Rated value	mm ²	0.34
Type of plug interlock		M12 x 1 thread
Cable end components		populated on both sides

Ambient conditions

Chemical resistance • to mineral oil • to water • to grease		conditional, must be checked relative to the application conditional, must be checked relative to the application conditional, must be checked relative to the application
Degree of pollution		3

Certificates/ approvals

Certificate of suitability • CSA-approval • RoHS conformity • UL approval • CCC		Yes Yes No No
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- IEC certificate
- cUL approval
- C-Tick

	No
	No
	No

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1902-2HB30>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1902-2HB30>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1902-2HB30>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1902-2HB30&lang=en

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