

BUS CABLE FOR PROFINET PREASSEMBLED ONE SIDE
4 CORE,
SHIELDED PREASSEMBLED WITH 1XM12 D CODED
LENGTH 10M



General technical data:

Product description		M12 plug, angled
Cable length	m	10
Cable designation		BUS: 2x2xAWG22/7 9YH(ST)C11Y

General technical details:

Current-carrying capacity / per pin / maximum	A	4
Operational voltage		
• with DC / maximum	V	60
• with AC / maximum	V	60
Impulse voltage resistance / rated value	kV	1.5
Impedance		
• at 100 MHz / rated value	Ω	100
Damping ratio per length		
• at 4 MHz / maximum	dB/m	0.0405
• at 10 MHz / maximum	dB/m	0.065
• at 16 MHz / maximum	dB/m	0.0825
• at 100 MHz / maximum	dB/m	0.22

Mechanical data:

Connector type		Plug/open
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Connector coding / of M12 circular connector		D
Number of electrical wires		4
Type of cable outlet		angled
Number of poles		4
Color • of the cable sheath • of the insulation of data wires		green yellow, white, orange, blue
Material • of the cable sheath • of the wire insulation • of the enclosure		polyurethane Polonium Thermoplastic polyurethane
Design of 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 the inner conductor • of the cable	mm mm	0.75 6.7
symmetrical tolerance of the outer diameter / of the lead	mm	0.2
Conductor cross section / nominal 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:

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

	No
	No
	No
	No

Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1902-2HC10/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1902-2HC10

last change:

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