

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 data:

Ampacity per pin maximum	A	4
Operating voltage		
• for DC maximum	V	60
• with 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		

<ul style="list-style-type: none"> • of cable sheath • of the insulation of data wires 		green yellow, white, orange, blue
Material		
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • CSA-approval • RoHS conformity • UL approval • CCC • IEC certificate • cUL approval • C-Tick 		Yes Yes No 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/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mf=3RK19022HC10>

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

<http://support.automation.siemens.com/WW/view/en/3RK19022HC10/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK19022HC10&lang=en>

last modified:

09.03.2015