

Bus cable for PROFIBUS Pre-assembled at one end 1 x M12 angled, Socket 2-core, shielded Length 5.0 m

General technical data		
product description		M12 socket, angled B coded
wire length	m	5
cable designation		BUS: 1P24-19/2,55 02YS(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 9.6 kHz	Ω	300
• at 38.4 kHz	Ω	185
• at 3 MHz ... 20 MHz	Ω	150
symmetrical tolerance of wave impedance		
• at 38.4 kHz	Ω	20
• at 3 MHz ... 20 MHz	Ω	15
attenuation factor per length		
• at 9.6 kHz maximum	dB/km	3
• at 38.4 kHz maximum	dB/km	5
• at 4 MHz maximum	dB/km	26
• at 16 MHz maximum	dB/km	52
Mechanical data		
connector type		Socket/open
connector coding of the M12 circular connector		B
number of electrical cores		2
type of cable outlet		angled
number of poles		2
color		
• of cable sheath		Violet
• of the insulation of data wires		Red, green
material		
• of cable sheath		Polyurethane
• of the wire insulation		Polyethylene
• of the enclosure		Thermoplastic polyurethane
design of the shield		Shielding braid of tinned copper wire
type of strain relief		molded
bending radius		
• with single bend minimum permissible	mm	5.85
• with multiple bends minimum permissible	mm	78
number of bending cycles		5 000 000
mechanical service life (mating cycles)		100
outer diameter		
• of inner conductor	mm	0.64
• of the cable	mm	7.8
symmetrical tolerance of the outer diameter of the cable	mm	0.2
conductor cross section rated value	mm ²	0.25
type of plug interlock		M12 x 1 thread
cable end components		open on one side

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 - IEC approval - cUL approval - C-Tick		Yes Yes Yes No Yes No No
Further information		
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012 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=3RK1902-1GB50 Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1902-1GB50 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK1902-1GB50 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1902-1GB50&lang=en		

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