

## Bus system cable - SAC-5P-MINMS/10,0-U30/MINFS - 1416962

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Bus system cable, DeviceNet™, 5-position, PVC, gray, Plug straight 7/8"-16UNF, on Socket straight 7/8"-16UNF, Cable length: 10 m



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	85444290
Country of origin	Mexico

### Technical data

#### Dimensions

Length of cable	10 m
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#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C (Plug / socket)
Degree of protection	IP68

#### General

Rated current at 40°C	4 A
Rated voltage	300 V AC/DC
Number of positions	5
Signal type/category	DeviceNet™
Torque	10 lb <sub>F</sub> -in. 1.12 Nm

#### Material

Contact material	CuZn
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### Technical data

#### Material

Contact surface material	Au
Contact carrier material	PVC
Material of grip body	PVC
Material, knurls	Aluminum

#### Cable

Cable type	CAN Bus/DeviceNet drop cable
Cable abbreviation	U30
Cable structure	2xAWG24+2xAWG22+1xAWG18
Conductor cross section	2 x AWG 24 data cable
	2 x AWG 22 power supply
	1 x AWG 18 drain wire
AWG signal line	24
AWG power supply	22
Conductor structure signal line	19 x AWG 36
Conductor structure, voltage supply	19 x AWG 34
Wire colors	Red-black, blue-white
Twisted pairs	2 cores to the pair
Type of pair shielding	Plastic-coated aluminum foil, aluminum side outside
Overall twist	2 pairs around a drain wire in the center to the core
Optical shield covering	65 %
External sheath, color	gray
External cable diameter D	6.6 mm
Outer sheath, material	PVC
Material conductor insulation	Foamed PE
	PVC (Power supply)
Conductor material	Tin-plated Cu litz wires
Flame resistance	UL 1581, FT4
Resistance to oil	UL oil resistance
Other resistance	PLTC-ER sunlight resistance

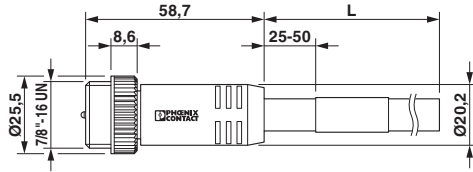
#### Standards and Regulations

Resistance to oil	UL oil resistance
Flame resistance	UL 1581, FT4
Other resistance	PLTC-ER sunlight resistance

#### Drawings

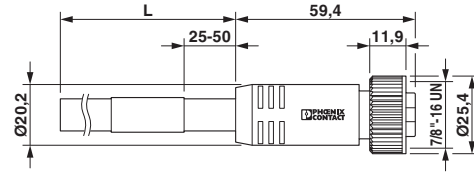
# Bus system cable - SAC-5P-MINMS/10,0-U30/MINFS - 1416962

Dimensional drawing



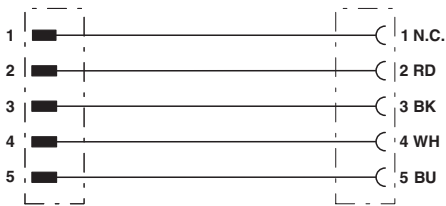
7/8"-16UNF plug, straight

Dimensional drawing



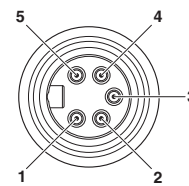
7/8"-16UNF socket, straight

Circuit diagram



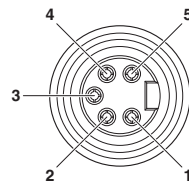
Contact assignment of the 7/8" connector and the 7/8" socket

Schematic diagram



Plug pin assignment for 7/8"-16UNF plug, 5-pos.

Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

## Approvals

Approvals

Approvals


UL Listed / cUL Listed / cULus Listed


Ex Approvals

Approval details

## Bus system cable - SAC-5P-MINMS/10,0-U30/MINFS - 1416962

### Approvals

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 221474
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