

## Bus system cable - SAC-5P-MINMR/ 2,0-U40/MINFR - 1416670

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Bus system cable, DeviceNet™, 5-position, PVC, gray, Plug angled 7/8"-16UNF, on Socket angled 7/8"-16UNF, Cable length: 2 m

### DeviceNet™

#### Key Commercial Data

|              |                                                                                                        |
|--------------|--------------------------------------------------------------------------------------------------------|
| Packing unit | 1 STK                                                                                                  |
| GTIN         | <br>4 055626 219332 |
| GTIN         | 4055626219332                                                                                          |

#### Technical data

##### Dimensions

|                 |     |
|-----------------|-----|
| Length of cable | 2 m |
|-----------------|-----|

##### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -20 °C ... 75 °C (Plug / socket) |
| Degree of protection            | IP68                             |

##### General

|                              |                         |
|------------------------------|-------------------------|
| Rated current at 40°C        | 8 A                     |
| Rated voltage                | 300 V AC/DC             |
| Number of positions          | 5                       |
| Coding                       | A - standard            |
| Signal type/category         | DeviceNet™              |
| Status display               | No                      |
| Protective circuit/component | Unwired                 |
| Torque                       | 10 lb <sub>F</sub> -in. |
|                              | 1.12 Nm                 |

##### Material

|                          |      |
|--------------------------|------|
| Contact material         | CuZn |
| Contact surface material | Au   |
| Contact carrier material | PVC  |
| Material of grip body    | PVC  |

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### Technical data

#### Material

|                  |                   |
|------------------|-------------------|
| Material, knurls | Anodized aluminum |
|------------------|-------------------|

#### Cable

|                                     |                                                       |
|-------------------------------------|-------------------------------------------------------|
| Cable type                          | DeviceNet trunk cable                                 |
| Cable abbreviation                  | U40                                                   |
| Cable structure                     | 2xAWG18+2xAWG15+1xAWG18                               |
| Conductor cross section             | 2 x AWG 18 data cable                                 |
|                                     | 2 x AWG 15 power supply                               |
|                                     | 1 x AWG 18 drain wire                                 |
| AWG signal line                     | 18                                                    |
| AWG power supply                    | 15                                                    |
| Conductor structure signal line     | 19 x AWG 30                                           |
| Conductor structure, voltage supply | 19 x AWG 28                                           |
| 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           | 11.43 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                   | OIL RES I according to UL 2256                        |
| Other resistance                    | UV resistant (720 h) UL 2556                          |

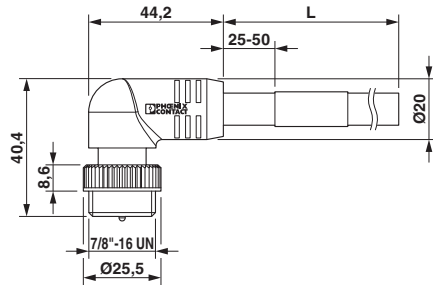
#### Standards and Regulations

|                   |                                |
|-------------------|--------------------------------|
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| Flame resistance  | UL 1581, FT4                   |
| Other resistance  | UV resistant (720 h) UL 2556   |

### Drawings

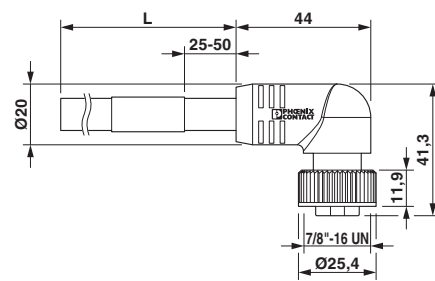
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Dimensional drawing



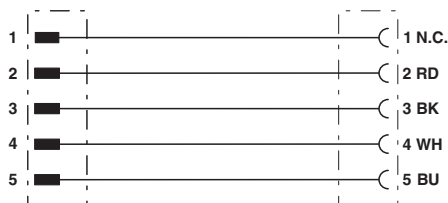
7/8"-16UNF plug, angled

Dimensional drawing



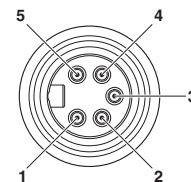
7/8"-16UNF socket, angled

Circuit diagram



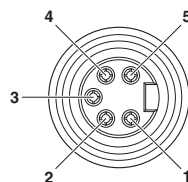
Contact assignment of 7/8" plugs/sockets

Schematic diagram



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

Schematic diagram



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