

# M12-HE cables

## Cables for environments with high demands on hygiene

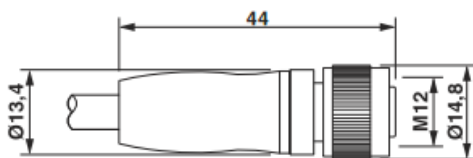
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M12-HE cables suitable for harsh environments with high demands on hygiene.

- Shielded cables with straight M12- 5 pin connectors, 6 and 10 m
- Easy to clean thanks to the special hygienic design
- Easy to detect contamination thanks to the light color
- Ambient temperature -40 °C ... 105 °C (operation, fixed installation)
- IP65/IP67/IP69K
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- Grey halogen free PP cable



### Dimensions

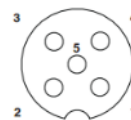


M12 x 1 socket, straight

All dimensions in millimeters

External cable diameter D: 5 mm ±0.15 mm

### Pinout



M12 socket, A-coded, socket side view

- 1 – Brown
- 2 – White
- 3 – Blue
- 4 – Black
- 5 - Grey

### Ordering information

Type	Order code	Description
M12-C61HE	2TLA020056R8000	6 m HE shielded cable with M12-5 female connector
M12-C101HE	2TLA020056R8100	10 m HE shielded cable with M12-5 female connector

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## Technical data

<b>Ambient temperature (operation)</b>	
<b>Plug/socket</b>	-40°C...105°C
<b>Cable, fixed installation</b>	-40°C...105°C
<b>Cable, flexible installation</b>	-25°C...105°C
<b>Protection class</b>	IP65, IP67 and IP69K
<b>Weight</b>	6 m: 302 g – 10 m: 478 g
<b>Rated current at 40°C</b>	4 A
<b>Rated voltage</b>	36 VDC
<b>Pollution degree</b>	3
<b>Insertion/withdrawal cycles</b>	≥ 100
<b>Torque</b>	0.4 Nm (M12 connector)
<b>Material</b>	
<b>Contact</b>	CuSn
<b>Contact surface</b>	Ni/Au
<b>Contact carrier</b>	PP
<b>Grip body</b>	PP
<b>Knurts</b>	Polypropylene
<b>Sealing</b>	KFM
<b>Cable type</b>	Halogen-free PP grey
<b>Cable abbreviation</b>	Li9Y9Y
<b>Conductor cross section</b>	5 x 0.34 mm <sup>2</sup> (signal line)
<b>External sheath color</b>	Grey RAL 7035
<b>Outer sheath thickness</b>	Approx. 0.7 mm
<b>External cable diameter D</b>	5 mm ±0.15 mm
<b>Minimum bending radius</b>	
<b>Fixed installation</b>	5 x D
<b>Flexible installation</b>	10 x D
<b>Number of bending cycles</b>	4 000 000
<b>Material outer sheath</b>	PP-EPDM
<b>Material conductor insulation</b>	PP
<b>Conductor</b>	
<b>Material</b>	Bare Cu litz wire
<b>Resistance</b>	58Ω/km (at 20°C)

## Contact us

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