

M12 - HE cables

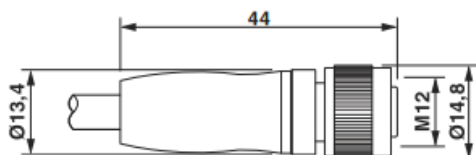
Cables for environments with high demands on hygiene

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/IP69
- Grey halogen free PP cable



Dimensions

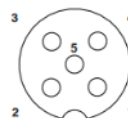


M12 x 1 socket, straight

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

Technical data

Technical data	
Ambient temperature (operation)	
Plug/socket	-40°C...105°C
Cable, fixed installation	-40°C...105°C
Cable, flexible installation	-25°C...105°C
Protection class	IP65, IP67 and IP69
Weight	6 m: 302 g – 10 m: 478 g
Rated current at 40°C	4 A
Rated voltage	36 VDC
Pollution degree	3
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 connector)
Material	
Contact	CuSn
Contact surface	Ni/Au
Contact carrier	PP
Grip body	PP
Knurts	Polypropylene
Sealing	KFM
Cable type	Halogen-free PP grey
Cable abbreviation	Li9Y9Y
Conductor cross section	5 x 0.34 mm ² (signal line)
External sheath color	Grey RAL 7035
Outer sheath thickness	Approx. 0.7 mm
External cable diameter D	5 mm ±0.15 mm
Minimum bending radius	
Fixed installation	5 x D
Flexible installation	10 x D
Number of bending cycles	4 000 000
Material outer sheath	PP-EPDM
Material conductor insulation	PP
Conductor	
Material	Bare Cu litz wire
Resistance	58Ω/km (at 20°C)

Note

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