



Connection technology

# L-coded M12 power cable



Industrial applications /  
factory automation



**2.5 mm<sup>2</sup> cross section for  
currents of up to 16 A**

**L-coded M12 cable according  
to EN 61076**

**Connect to Performance Line  
IO-Link masters**

**Halogen-free cable material**

**For general industrial  
applications, such as factory  
automation or machine tools**



## Transmission of high currents with low voltage drop

Used to supply higher power levels to the new ifm Performance Line IO-Link masters in demanding applications.

The L-coded M12 power connector is becoming more and more established on the market and the perfect solution to supply these modules with power. ifm offers connection cables and jumpers that are perfectly adapted to this. A cross section of 2.5 mm<sup>2</sup> reliably transmits currents of up to 16 A while a slight voltage drop has a positive effect on the operating range.

## For factory automation and machine tools

Thanks to the housing materials and halogen-free cable materials, these cables are perfectly suited for machine tools and all standard factory automation applications.



### Technical data:

Operating voltage: 63 V DC  
 Nominal current: 16 A to 45 °C; 12 A to 60 °C  
 Protection rating: IP 65, IP 67  
 in locked condition with the matching counterpart.  
 Tightening torque nut: 0.7...0.9 Nm  
 Note the maximum value of the counterpart.

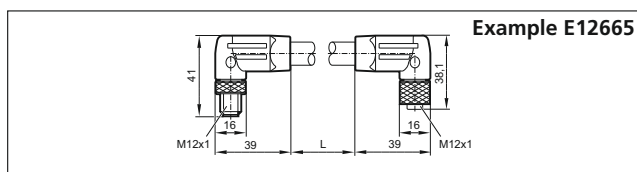
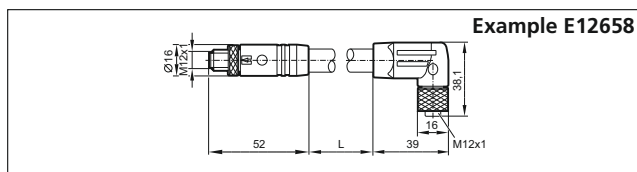
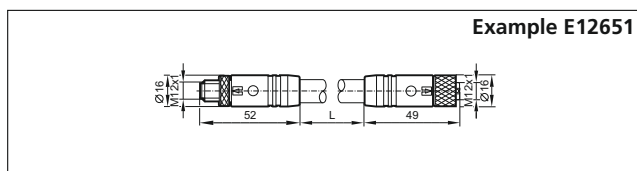
### Materials:

Housing/moulded body: PUR  
 Coupling nut: nickel-plated brass  
 Contacts: gold-plated  
 Sealing ring: Viton  
 Cable: 5 x 2.5 mm<sup>2</sup>

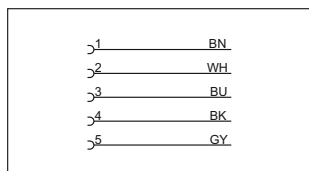
### Applications:

factory automation, machine tool industry

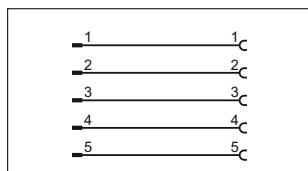
### Dimensions



### Wiring diagram



Example E12641



Example E12651

### Products

Type	Description	Order no.
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#### M12 sockets

	2.0 m	E12641
	5.0 m	E12642
	10.0 m	E12643
	20.0 m	E12644
	50.0 m	E12645
	2.0 m	E12646
	5.0 m	E12647
	10.0 m	E12648
	20.0 m	E12649
	50.0 m	E12650

#### Connection cable M12/M12

	0.25 m	E12651
	0.5 m	E12652
	1.0 m	E12653
	2.0 m	E12654
	5.0 m	E12655
	10.0 m	E12656
	20.0 m	E12657
	0.25 m	E12658
	0.5 m	E12659
	1.0 m	E12660
	2.0 m	E12661
	5.0 m	E12662
	10.0 m	E12663
	20.0 m	E12664
	0.25 m	E12665
	0.5 m	E12666
	1.0 m	E12667
	2.0 m	E12668
	5.0 m	E12669
	10.0 m	E12670
	20.0 m	E12671

#### M12 socket · wirable

	Screw terminal	E12672
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#### M12 cable plug · wirable

	Screw terminal	E12673
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