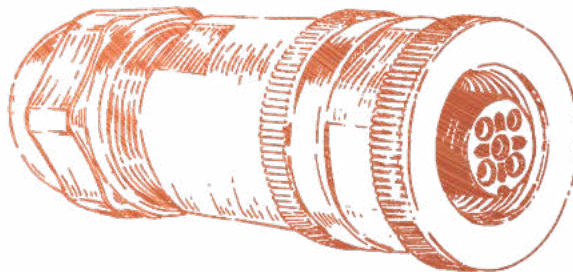


Cable accessories to control sensors and actuators

# CIRCULAR CONNECTORS M8 / M12

Ed. 1 // EN



# Circular Connectors M8 / M12

M8 and M12 circular connectors are used in factory automation, industrial machining centres and production lines. They are part of the control of sensors and actuators, other I/O devices and valve terminals.

Depending on the application, the connectors are available in A-coded versions with different numbers of poles. They are available as standard in a shielded metal version and an unshielded plastic version with a metal lock.

All contacts are gold plated and the temperature range is  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ . Screw terminals (alternatives on request) are used for core connection.



## Technical data

- Circular Connectors M8 / M12
- Design: Straight
- Coding: A
- Material: Polyamid (PA) 66 GF25 (M8 / M12)  
Brass, nickel plated (M12)
- Flammability acc. to UL 94 (HB)
- Contact coating material: Gold
- Temperature range:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- Protection classification: IP 67
- Screw terminal

## Properties

- Compact design with high connection density
- Screw lock for easy and quick installation
- Fast and reliable on-site connection

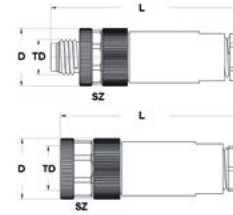
## Application

- Intra logistics
- Automation technology
- Sensor/actuator control
- AGV (self-propelled transport systems)
- LED lights / Status indicators
- I/O boxes



# M8 / M12

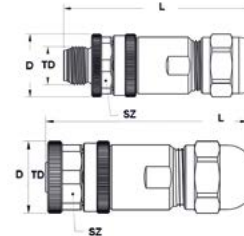
Polyamide (PA)



Part no:	TE Part no.	Profile	Pin arrangement	Cable-Ø from / to mm	Size TD	Length mm L	Outer-Ø approx. D	Spanner size mm SZ	PU (in pieces)
11024556	T4010008031-070	female	3	3.50 - 4.80	M8	40.0	13.5		1
11024558	T4011008031-070	male	3	3.50 - 4.80	M8	45.0	13.5		1
11024559	T4010008041-070	female	4	3.50 - 4.80	M8	40.0	13.5		1
11024557	T4011008041-070	male	4	3.50 - 4.80	M8	45.0	13.5		1
11024546	T4110001051-070	female	5	4.00 - 6.00	M12	53.0	20.0	18	1
11024550	T4111001051-070	male	5	4.00 - 6.00	M12	60.0	20.0	18	1
11024547	T4110002051-070	female	5	6.00 - 8.00	M12	53.0	20.0	18	1
11024551	T4111002051-070	male	5	6.00 - 8.00	M12	60.0	20.0	18	1
11024554	T4110002081-070	female	8	6.00 - 8.00	M12	53.0	20.0	18	1

# M12

Brass



Part no:	TE Part no..	Profile	Pin arrangement	Cable-Ø from / to mm	Size TD	Length mm L	Outer-Ø approx. D	Spanner size mm SZ	PU (in pieces)
11024548	T4110011051-070	female	5	4.00 - 6.00	M12	56.5	20.0	18	1
11024552	T4111011051-070	male	5	4.00 - 6.00	M12	62.0	20.0	18	1
11024549	T4110012051-070	female	5	6.00 - 8.00	M12	56.5	20.0	18	1
11024553	T4111012051-070	male	5	6.00 - 8.00	M12	62.0	20.0	18	1
11024555	T4110012081-070	female	8	6.00 - 8.00	M12	56.5	20.0	18	1

**Legend** L - Length, D - Outer diameter, TD - Thread diameter, SZ - Spanner size

Our circular connectors are also ideal for non-industrial applications in a wide range of environments where compact, robust and reliable connections are required.

We will be happy to advise you on other possible applications for your application.

## Contact

**Our product experts are available to answer your questions and provide customised solutions:**

Phone: +49 7150 9209 0  
 kabelzubehoer@helukabel.de

WE OFFER OTHER CIRCULAR CONNECTORS IN THE FOLLOWING AREAS:

**DATA, NETWORK & BUS TECHNOLOGY**

**PRE-ASSEMBLED**

**( Channeling  
POWER )** 