

## Single-ended I/O Cordsets-M12 (Angled-female)

### Description:

Used for sensors, I/O connector connecting. Standard M12(angled-female) threaded connection.  
2, 3, 4, 5, 8-core are optional. Customized cable lengths. Degree of protection IP67.

### Features:

- PVC, PUR cable are optional
- A-coded interface
- LED indicator

\* All technical information about the raw cable for connectors, please refer to the "cable" section (P513).



### Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	Female DC 2-core	CBO12.2-2	2	4A/250V	2m	0.34mm <sup>2</sup>
	Female AC/DC 2-core	CBO12.21-2	2	4A/250V	2m	0.34mm <sup>2</sup>
	Female AC 2-core	CBO12.22-2	2	4A/250V	2m	0.34mm <sup>2</sup>
	Female 3-core NO	CBO12.3-2	3	4A/250V	2m	0.34mm <sup>2</sup>
	Female 3-core NO with LEDPNP	CBO12.3-2/L	3	4A/30V	2m	0.34mm <sup>2</sup>
	Female 3-core NO with LEDNPN	CBO12.3-2/LN	3	4A/30V	2m	0.34mm <sup>2</sup>
	Female 4-core NO/NC	CBO12.4-2	4	4A/250V	2m	0.34mm <sup>2</sup>
	Female 4-core NO/NC with LEDPNP	CBO12.4-2/L	4	4A/30V	2m	0.34mm <sup>2</sup>
	Female 4-core NO/NC with LEDNPN	CBO12.4-2/LN	4	4A/30V	2m	0.34mm <sup>2</sup>
	Female 5-core NO/NC	CBO12.5-2	5	4A/60V	2m	0.34mm <sup>2</sup>
	Female 8-core	CBO12.8-2	8	2A/30V	2m	0.25mm <sup>2</sup>
PUR	Female DC 2-core	CBO12.2-2/P	2	4A/250V	2m	0.34mm <sup>2</sup>
	Female AC/DC 2-core	CBO12.21-2/P	2	4A/250V	2m	0.34mm <sup>2</sup>
	Female AC 2-core	CBO12.22-2/P	2	4A/250V	2m	0.34mm <sup>2</sup>
	Female 3-core NO	CBO12.3-2/P	3	4A/250V	2m	0.34mm <sup>2</sup>
	Female 3-core NO with LEDPNP	CBO12.3-2/L/P	3	4A/30V	2m	0.34mm <sup>2</sup>
	Female 3-core NO with LEDNPN	CBO12.3-2/LN/P	3	4A/30V	2m	0.34mm <sup>2</sup>
	Female 4-core NO/NC	CBO12.4-2/P	4	4A/250V	2m	0.34mm <sup>2</sup>
	Female 4-core NO/NC with LEDPNP	CBO12.4-2/L/P	4	4A/30V	2m	0.34mm <sup>2</sup>
	Female 4-core NO/NC with LEDNPN	CBO12.4-2/LN/P	4	4A/30V	2m	0.34mm <sup>2</sup>
	Female 5-core NO/NC	CBO12.5-2/P	5	4A/60V	2m	0.34mm <sup>2</sup>
	Female 8-core	CBO12.8-2/P	8	2A/30V	2m	0.25mm <sup>2</sup>

### Selection Instructions

## CBO12.4 - 2 / P

① ②

- Attn : ①: Customized cable lengths are available.  
②: Cable jacket or function can be customized according to the requirements.

### Additional Information

Cable Length	Product with LED	
	<p>PNP</p> <p>3芯</p>	<p>NPN</p> <p>3芯</p>
	<p>PNP</p> <p>4芯</p>	<p>NPN</p> <p>4芯</p>

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### Description:

Used for sensors, I/O connector connecting. Standard M12(angled-female) threaded connection.  
2, 3, 4, 5, 8-core are optional. Customized cable lengths. Degree of protection IP67.

### Features:

- NE, shielded cable, welding spark resistance EWSR, and high flexibility cable STPE are optional
- A-coded interface
- Optional LED indicator (except NAMUR and 8-core cable)

\* All technical information about the raw cable for connectors, please refer to the "cable" section (P513).



### Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
Welding spark resistance	Female 3-core	CBO12.3-2/EWSR	3	4A/250V	2m	0.34mm <sup>2</sup>
	Female 4-core	CBO12.4-2/EWSR	4	4A/250V	2m	0.34mm <sup>2</sup>
	Female 5-core	CBO12.5-2/EWSR	5	4A/60V	2m	0.34mm <sup>2</sup>
PVC Shielded	Female 3-core	CBO12.3-2/WS	3	4A/250V	2m	0.34mm <sup>2</sup>
	Female 4-core	CBO12.4-2/WS	4	4A/250V	2m	0.34mm <sup>2</sup>
	Female 5-core	CBO12.5-2/WS	5	4A/60V	2m	0.34mm <sup>2</sup>
	Female 8-core	CBO12.8-2/WS	8	2A/30V	2m	0.25mm <sup>2</sup>
PUR Shielded	Female 3-core	CBO12.3-2/WS/P	3	4A/250V	2m	0.34mm <sup>2</sup>
	Female 4-core	CBO12.4-2/WS/P	4	4A/250V	2m	0.34mm <sup>2</sup>
	Female 5-core	CBO12.5-2/WS/P	5	4A/60V	2m	0.34mm <sup>2</sup>
	Female 8-core	CBO12.8-2/WS/P	8	2A/30V	2m	0.25mm <sup>2</sup>

### Selection Instructions

## CBO12.4 - 2 / WS

① ②

- Attn : ①: Customized cable lengths are available.  
②: Cable jacket or function can be customized according to the requirements.

### Additional Information

#### Cable Length

