

Single-ended I/O Cordsets- M12 (Straight-female)

Description:

Used for sensors, I/O connector connecting. Standard M12(straight-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 (P169).



Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	Female DC 2-core	CO12.2-2	2	4A/250V	2m	0.34mm ²
	Female AC/DC 2-core	CO12.21-2	2	4A/250V	2m	0.34mm ²
	Female AC 2-core	CO12.22-2	2	4A/250V	2m	0.34mm ²
	Female 3-core NO	CO12.3-2	3	4A/250V	2m	0.34mm ²
	Female 3-core NO with LEDPNP	CO12.3-2/L	3	4A/30V	2m	0.34mm ²
	Female 3-core NO with LEDNPN	CO12.3-2/LN	3	4A/30V	2m	0.34mm ²
	Female 4-core NO/NC	CO12.4-2	4	4A/250V	2m	0.34mm ²
	Female 4-core NO/NC with LEDPNP	CO12.4-2/L	4	4A/30V	2m	0.34mm ²
	Female 4-core NO/NC with LEDNPN	CO12.4-2/LN	4	4A/30V	2m	0.34mm ²
	Female 5-core NO/NC	CO12.5-2	5	4A/60V	2m	0.34mm ²
	Female 8-core	CO12.8-2	8	2A/30V	2m	0.25mm ²
PUR	Female DC 2-core	CO12.2-2/P	2	4A/250V	2m	0.34mm ²
	Female AC/DC 2-core	CO12.21-2/P	2	4A/250V	2m	0.34mm ²
	Female AC 2-core	CO12.22-2/P	2	4A/250V	2m	0.34mm ²
	Female 3-core NO	CO12.3-2/P	3	4A/250V	2m	0.34mm ²
	Female 3-core NO with LEDPNP	CO12.3-2/L/P	3	4A/30V	2m	0.34mm ²
	Female 3-core NO with LEDNPN	CO12.3-2/LN/P	3	4A/30V	2m	0.34mm ²
	Female 4-core NO/NC	CO12.4-2/P	4	4A/250V	2m	0.34mm ²
	Female 4-core NO/NC with LEDPNP	CO12.4-2/L/P	4	4A/30V	2m	0.34mm ²
	Female 4-core NO/NC with LEDNPN	CO12.4-2/LN/P	4	4A/30V	2m	0.34mm ²
	Female 5-core NO/NC	CO12.5-2/P	5	4A/60V	2m	0.34mm ²
	Female 8-core	CO12.8-2/P	8	2A/30V	2m	0.25mm ²

Selection Instructions

CO12.4- 2 / P

- 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
	Single signal (3-pin) PNP NPN
	Double signal (4-pin, 5-pin) PNP NPN

Single-ended I/O Cordsets- M12 (Straight-male)

Description:

Used for sensors, I/O connector connecting. Standard M12(straight-male) 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 (P169).



Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	Male DC 2-core	C12.2-2	2	4A/250V	2m	0.34mm ²
	Male AC/DC 2-core	C12.21-2	2	4A/250V	2m	0.34mm ²
	Male AC 2-core	C12.22-2	2	4A/250V	2m	0.34mm ²
	Male 3-core NO	C12.3-2	3	4A/250V	2m	0.34mm ²
	Male 4-core NO/NC	C12.4-2	4	4A/250V	2m	0.34mm ²
	Male 5-core NO/NC	C12.5-2	5	4A/60V	2m	0.34mm ²
	Male 8-core	C12.8-2	8	2A/30V	2m	0.25mm ²
PUR	Male DC 2-core	C12.2-2/P	2	4A/250V	2m	0.34mm ²
	Male AC/DC 2-core	C12.21-2/P	2	4A/250V	2m	0.34mm ²
	Male AC 2-core	C12.22-2/P	2	4A/250V	2m	0.34mm ²
	Male 3-core NO	C12.3-2/P	3	4A/250V	2m	0.34mm ²
	Male 4-core NO/NC	C12.4-2/P	4	4A/250V	2m	0.34mm ²
	Male 5-core NO/NC	C12.5-2/P	5	4A/60V	2m	0.34mm ²
	Male 8-core	C12.8-2/P	8	2A/30V	2m	0.25mm ²

Selection Instructions

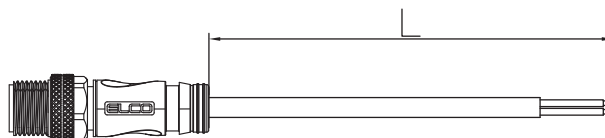
C12.4- 2 / P

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



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 (P169).



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 ²
	Female AC/DC 2-core	CBO12.21-2	2	4A/250V	2m	0.34mm ²
	Female AC 2-core	CBO12.22-2	2	4A/250V	2m	0.34mm ²
	Female 3-core NO	CBO12.3-2	3	4A/250V	2m	0.34mm ²
	Female 3-core NO with LEDPNP	CBO12.3-2/L	3	4A/30V	2m	0.34mm ²
	Female 3-core NO with LEDNPN	CBO12.3-2/LN	3	4A/30V	2m	0.34mm ²
	Female 4-core NO/NC	CBO12.4-2	4	4A/250V	2m	0.34mm ²
	Female 4-core NO/NC with LEDPNP	CBO12.4-2/L	4	4A/30V	2m	0.34mm ²
	Female 4-core NO/NC with LEDNPN	CBO12.4-2/LN	4	4A/30V	2m	0.34mm ²
	Female 5-core NO/NC	CBO12.5-2	5	4A/60V	2m	0.34mm ²
	Female 8-core	CBO12.8-2	8	2A/30V	2m	0.25mm ²
PUR	Female DC 2-core	CBO12.2-2/P	2	4A/250V	2m	0.34mm ²
	Female AC/DC 2-core	CBO12.21-2/P	2	4A/250V	2m	0.34mm ²
	Female AC 2-core	CBO12.22-2/P	2	4A/250V	2m	0.34mm ²
	Female 3-core NO	CBO12.3-2/P	3	4A/250V	2m	0.34mm ²
	Female 3-core NO with LEDPNP	CBO12.3-2/L/P	3	4A/30V	2m	0.34mm ²
	Female 3-core NO with LEDNPN	CBO12.3-2/LN/P	3	4A/30V	2m	0.34mm ²
	Female 4-core NO/NC	CBO12.4-2/P	4	4A/250V	2m	0.34mm ²
	Female 4-core NO/NC with LEDPNP	CBO12.4-2/L/P	4	4A/30V	2m	0.34mm ²
	Female 4-core NO/NC with LEDNPN	CBO12.4-2/LN/P	4	4A/30V	2m	0.34mm ²
	Female 5-core NO/NC	CBO12.5-2/P	5	4A/60V	2m	0.34mm ²
	Female 8-core	CBO12.8-2/P	8	2A/30V	2m	0.25mm ²

Selection Instructions

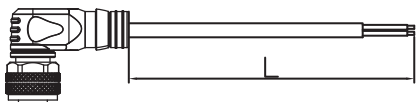
CBO12.4 - 2 / P

① ②

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

Additional Information

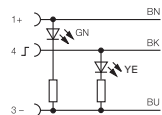
Cable Length



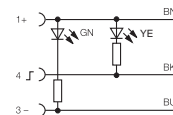
Product with LED

Single signal (3-pin)

PNP

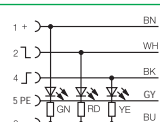
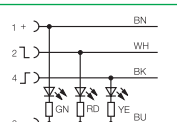


NPN

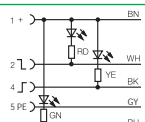
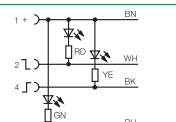


Double signal (4-pin, 5-pin)

PNP



NPN



Single-ended I/O Cordsets-M12 (Angled-male)

Description:

Used for sensors, I/O connector connecting. Standard M12(angled-male) 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
- Optional LED indicator

* All technical information about the raw cable for connectors, please refer to the "cable" section (P169).



Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	Male DC 2-core	CB12.2-2	2	4A/250V	2m	0.34mm ²
	Male AC/DC 2-core	CB12.21-2	2	4A/250V	2m	0.34mm ²
	Male AC 2-core	CB12.22-2	2	4A/250V	2m	0.34mm ²
	Male 3-core NO	CB12.3-2	3	4A/250V	2m	0.34mm ²
	Male 4-core NO/NC	CB12.4-2	4	4A/250V	2m	0.34mm ²
	Male 5-core NO/NC	CB12.5-2	5	4A/60V	2m	0.34mm ²
	Male 8-core	CB12.8-2	8	2A/30V	2m	0.25mm ²
PUR	Male DC 2-core	CB12.2-2/P	2	4A/250V	2m	0.34mm ²
	Male AC/DC 2-core	CB12.21-2/P	2	4A/250V	2m	0.34mm ²
	Male AC 2-core	CB12.22-2/P	2	4A/250V	2m	0.34mm ²
	Male 3-core NO	CB12.3-2/P	3	4A/250V	2m	0.34mm ²
	Male 4-core NO/NC	CB12.4-2/P	4	4A/250V	2m	0.34mm ²
	Male 5-core NO/NC	CB12.5-2/P	5	4A/60V	2m	0.34mm ²
	Male 8-core	CB12.8-2/P	8	2A/30V	2m	0.25mm ²

Selection Instructions

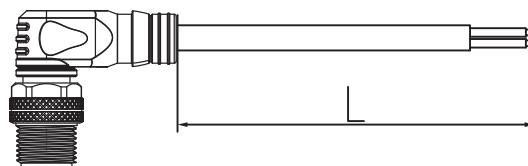
CB12.4 - 2 / P

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



Single-ended I/O Cordsets-M12 (Straight-female)

Description:

Used for sensors, I/O connector connecting. Standard M12(straight-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 (P169).



Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
Welding spark resistance	Female 3-core	CO12.3-2/EWSR	3	4A/250V	2m	0.34mm ²
	Female 4-core	CO12.4-2/EWSR	4	4A/250V	2m	0.34mm ²
	Female 5-core	CO12.5-2/EWSR	5	4A/60V	2m	0.34mm ²
PVC Shielded	Female 3-core	CO12.3-2/WS	3	4A/250V	2m	0.34mm ²
	Female 4-core	CO12.4-2/WS	4	4A/250V	2m	0.34mm ²
	Female 5-core	CO12.5-2/WS	5	4A/60V	2m	0.34mm ²
	Female 8-core	CO12.8-2/WS	8	2A/30V	2m	0.25mm ²
PUR Shielded	Female 3-core	CO12.3-2/WS/P	3	4A/250V	2m	0.34mm ²
	Female 4-core	CO12.4-2/WS/P	4	4A/250V	2m	0.34mm ²
	Female 5-core	CO12.5-2/WS/P	5	4A/60V	2m	0.34mm ²
	Female 8-core	CO12.8-2/WS/P	8	2A/30V	2m	0.25mm ²
Flexible drag chain (Bending life: 5 million times)	Female 3-core	CO12.3-2/DRC	3	4A/250V	2m	0.34mm ²
	Female 4-core	CO12.4-2/DRC	4	4A/250V	2m	0.34mm ²
	Female 5-core	CO12.5-2/DRC	5	4A/60V	2m	0.34mm ²
	Female 8-core	CO12.8-2/DRC	8	2A/30V	2m	0.25mm ²
Flexible drag chain shielded (Bending life: 5 million times)	Female 3-core	CO12.3-2/WS/DRC	3	4A/250V	2m	0.34mm ²
	Female 4-core	CO12.4-2/WS/DRC	4	4A/250V	2m	0.34mm ²
	Female 5-core	CO12.5-2/WS/DRC	5	4A/60V	2m	0.34mm ²
	Female 8-core	CO12.8-2/WS/DRC	8	2A/30V	2m	0.25mm ²
	Female 12-core	CO12.12-2/WS/DRC	12	1.5A/30V	2m	0.25mm ²

Selection Instructions

CO12.4 - 2 / WS

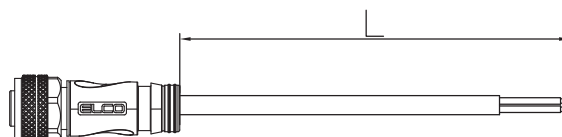
① ②

Attn : ①: Customized cable lengths are available.

②: Cable jacket or function can be customized according to the requirements.

Additional Information

Cable Length



Single-ended I/O Cordsets-M12 (Straight-male)

Description:

Used for sensors, I/O connector connecting. Standard M12(straight-male) 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 (P169).



Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
Welding spark resistance	Male 3-core	C12.3-2/EWSR	3	4A/250V	2m	0.34mm ²
	Male 4-core	C12.4-2/EWSR	4	4A/250V	2m	0.34mm ²
	Male 5-core	C12.5-2/EWSR	5	4A/60V	2m	0.34mm ²
PVC Shielded	Male 3-core	C12.3-2/WS	3	4A/250V	2m	0.34mm ²
	Male 4-core	C12.4-2/WS	4	4A/250V	2m	0.34mm ²
	Male 5-core	C12.5-2/WS	5	4A/60V	2m	0.34mm ²
	Male 8-core	C12.8-2/WS	8	2A/30V	2m	0.25mm ²
PUR Shielded	Male 3-core	C12.3-2/WS/P	3	4A/250V	2m	0.34mm ²
	Male 4-core	C12.4-2/WS/P	4	4A/250V	2m	0.34mm ²
	Male 5-core	C12.5-2/WS/P	5	4A/60V	2m	0.34mm ²
	Male 8-core	C12.8-2/WS/P	8	2A/30V	2m	0.25mm ²
Flexible drag chain (Bending life: 5 million times)	Male 3-core	C12.3-2/DRC	3	4A/250V	2m	0.34mm ²
	Male 4-core	C12.4-2/DRC	4	4A/250V	2m	0.34mm ²
	Male 5-core	C12.5-2/DRC	5	4A/60V	2m	0.34mm ²

Selection Instructions

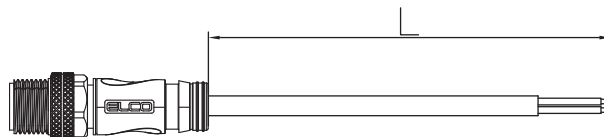
C12.4 - 2 / WS

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



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:

- 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 (P169).



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 ²
	Female 4-core	CBO12.4-2/EWSR	4	4A/250V	2m	0.34mm ²
	Female 5-core	CBO12.5-2/EWSR	5	4A/60V	2m	0.34mm ²
PVC Shielded	Female 3-core	CBO12.3-2/WS	3	4A/250V	2m	0.34mm ²
	Female 4-core	CBO12.4-2/WS	4	4A/250V	2m	0.34mm ²
	Female 5-core	CBO12.5-2/WS	5	4A/60V	2m	0.34mm ²
	Female 8-core	CBO12.8-2/WS	8	2A/30V	2m	0.25mm ²
PUR Shielded	Female 3-core	CBO12.3-2/WS/P	3	4A/250V	2m	0.34mm ²
	Female 4-core	CBO12.4-2/WS/P	4	4A/250V	2m	0.34mm ²
	Female 5-core	CBO12.5-2/WS/P	5	4A/60V	2m	0.34mm ²
	Female 8-core	CBO12.8-2/WS/P	8	2A/30V	2m	0.25mm ²
Flexible drag chain (Bending life: 5 million times)	Female 3-core	CBO12.3-2/DRC	3	4A/250V	2m	0.34mm ²
	Female 4-core	CBO12.4-2/DRC	4	4A/250V	2m	0.34mm ²
	Female 5-core	CBO12.5-2/DRC	5	4A/60V	2m	0.34mm ²
	Female 8-core	CBO12.8-2/DRC	8	2A/30V	2m	0.25mm ²
Flexible drag chain shielded (Bending life: 5 million times)	Female 3-core	CBO12.3-2/WS/DRC	3	4A/250V	2m	0.34mm ²
	Female 4-core	CBO12.4-2/WS/DRC	4	4A/250V	2m	0.34mm ²
	Female 5-core	CBO12.5-2/WS/DRC	5	4A/60V	2m	0.34mm ²
	Female 8-core	CBO12.8-2/WS/DRC	8	2A/30V	2m	0.25mm ²
	Female 12-core	CBO12.12-2/WS/DRC	12	1.5A/30V	2m	0.25mm ²

Selection Instructions

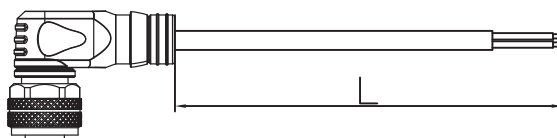
CBO12.4 - 2 / WS

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



Single-ended I/O Cordsets-M12 (Angled-male)

Description:

Used for sensors, I/O connector connecting. Standard M12(angled-male) 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 (P169).



Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
Welding spark resistance	Male 3-core	CB12.3-2/EWSR	3	4A/250V	2m	0.34mm ²
	Male 4-core	CB12.4-2/EWSR	4	4A/250V	2m	0.34mm ²
	Male 5-core	CB12.5-2/EWSR	5	4A/60V	2m	0.34mm ²
PVC Shielded	Male 3-core	CB12.3-2/WS	3	4A/250V	2m	0.34mm ²
	Male 4-core	CB12.4-2/WS	4	4A/250V	2m	0.34mm ²
	Male 5-core	CB12.5-2/WS	5	4A/60V	2m	0.34mm ²
	Male 8-core	CB12.8-2/WS	8	2A/30V	2m	0.25mm ²
Flexible drag chain (Bending life: 5 million times)	Male 3-core	CB12.3-2/WS/P	3	4A/250V	2m	0.34mm ²
	Male 4-core	CB12.4-2/WS/P	4	4A/250V	2m	0.34mm ²
	Male 5-core	CB12.5-2/WS/P	5	4A/60V	2m	0.34mm ²
	Male 8-core	CB12.8-2/WS/P	8	2A/30V	2m	0.25mm ²
Flexible drag chain shielded (Bending life: 5 million times)	Male 3-core	CB12.3-2/WS/P	3	4A/250V	2m	0.34mm ²
	Male 4-core	CB12.4-2/WS/P	4	4A/250V	2m	0.34mm ²
	Male 5-core	CB12.5-2/WS/P	5	4A/60V	2m	0.34mm ²

Selection Instructions

CB12.4 - 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

