

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, 12-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 (P166).



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
	Female 12-core	CO12.12-2	12	1.5A/30V	2m	0.25mm ²
PUR Bending 5 Million	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
	Female 12-core	CO12.12-2/P	12	1.5A/30V	2m	0.25mm ²

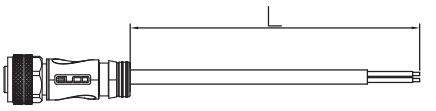
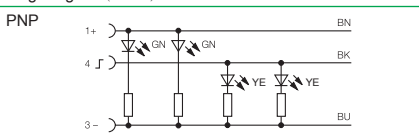
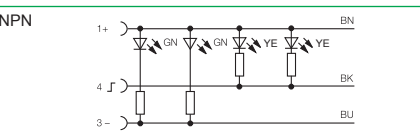
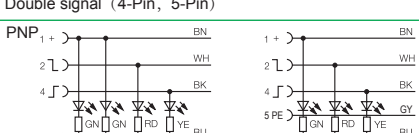
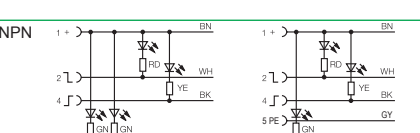
Selection Instructions

CO12.4- 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>Single signal (3-Pin)</p> <p>PNP</p>  <p>NPN</p> 
	<p>Double signal (4-Pin, 5-Pin)</p> <p>PNP</p>  <p>NPN</p> 

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, 12-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 (P166).



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	
	Male 12-core	C12.12-2	12	1.5A/30V	2m	0.25mm ²	
	PUR Bending 5 Million	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
Male 12-core	C12.12-2/P	12	1.5A/30V	2m	0.25mm ²		

Selection Instructions

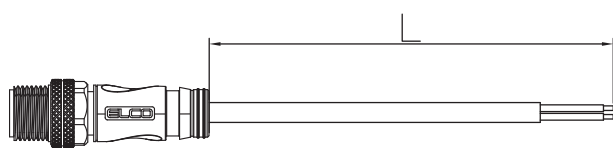
C12.4- 2 / P

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, 12-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 (P166).



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
	Female 12-core	CBO12.12-2	12	1.5A/30V	2m	0.25mm ²
PUR Bending 5 Million	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
	Female 12-core	CBO12.12-2/P	12	1.5A/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
	<p>Single signal (3-Pin)</p> <p>PNP</p> <p>NPN</p>
	<p>Double signal (4-Pin, 5-Pin)</p> <p>PNP</p> <p>NPN</p>

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, 12-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 (P166).



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	
	Male 12-core	CB12.12-2	12	1.5A/30V	2m	0.25mm ²	
	PUR Bending 5 Million	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	
Male 12-core		CB12.12-2/P	12	1.5A/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:

- Shielded cable, welding spark resistance EWSR
- A-coded interface

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).



Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
Welding spark resistance	Female 3-core welding spark resistance	CO12.3-2/EWSR	3	4A/250V	2m	0.34mm ²
	Female 4-core welding spark resistance	CO12.4-2/EWSR	4	4A/250V	2m	0.34mm ²
	Female 5-core welding spark resistance	CO12.5-2/EWSR	5	4A/60V	2m	0.34mm ²
Bending 5 Million Welding spark resistance	Female 3-core welding spark resistance	CO12.3-2/P/EWSR	3	4A/250V	2m	0.34mm ²
	Female 4-core welding spark resistance	CO12.4-2/P/EWSR	4	4A/250V	2m	0.34mm ²
	Female 5-core welding spark resistance	CO12.5-2/P/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
	Female 12-core	CO12.12-2/WS	12	1.5A/30V	2m	0.25mm ²
PUR Shielded Bending 5 Million	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
	Female 12-core	CO12.12-2/WS/P	12	1.5A/30V	2m	0.25mm ²

Selection Instructions

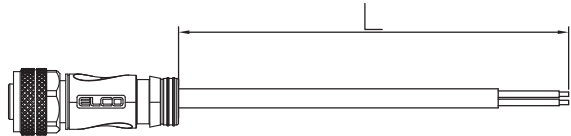
CO12.4 - 2 / WS

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:

- Shielded cable, welding spark resistance EWSR
- A-coded interface

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).



Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
Welding spark resistance	Male 3-core welding spark resistance	C12.3-2/EWSR	3	4A/250V	2m	0.34mm ²
	Male 4-core welding spark resistance	C12.4-2/EWSR	4	4A/250V	2m	0.34mm ²
	Male 5-core welding spark resistance	C12.5-2/EWSR	5	4A/60V	2m	0.34mm ²
Bending 5 Million Welding spark resistance	Male 3-core welding spark resistance	C12.3-2/P/EWSR	3	4A/250V	2m	0.34mm ²
	Male 4-core welding spark resistance	C12.4-2/P/EWSR	4	4A/250V	2m	0.34mm ²
	Male 5-core welding spark resistance	C12.5-2/P/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
	Male 12-core	C12.12-2/WS	12	1.5A/30V	2m	0.25mm ²
PUR Shielded Bending 5 Million	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
	Male 12-core	C12.12-2/WS/P	12	1.5A/30V	2m	0.25mm ²

Selection Instructions

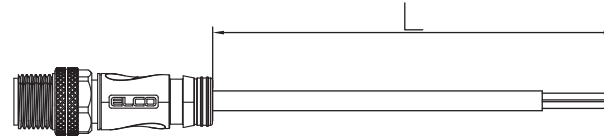
C12.4 - 2 / WS

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, 12-core are optional. Customized cable lengths. Degree of protection IP67.

Features:

- Shielded cable, welding spark resistance EWSR,
- A-coded interface

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).



Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
Welding spark resistance	Female 3-core welding spark resistance	CBO12.3-2/EWSR	3	4A/250V	2m	0.34mm ²
	Female 4-core welding spark resistance	CBO12.4-2/EWSR	4	4A/250V	2m	0.34mm ²
	Female 5-core welding spark resistance	CBO12.5-2/EWSR	5	4A/60V	2m	0.34mm ²
Bending 5 Million Welding spark resistance	Female 3-core welding spark resistance	CBO12.3-2/P/EWSR	3	4A/250V	2m	0.34mm ²
	Female 4-core welding spark resistance	CBO12.4-2/P/EWSR	4	4A/250V	2m	0.34mm ²
	Female 5-core welding spark resistance	CBO12.5-2/P/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
	Female 12-core	CBO12.12-2/WS	12	1.5A/30V	2m	0.25mm ²
PUR Shielded Bending 5 Million	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
	Female 12-core	CBO12.12-2/WS/P	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, 12-core are optional. Customized cable lengths. Degree of protection IP67.

Features:

- Shielded cable, welding spark resistance EWSR
- A-coded interface

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).



Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
Welding spark resistance	Male 3-core welding spark resistance	CB12.3-2/EWSR	3	4A/250V	2m	0.34mm ²
	Male 4-core welding spark resistance	CB12.4-2/EWSR	4	4A/250V	2m	0.34mm ²
	Male 5-core welding spark resistance	CB12.5-2/EWSR	5	4A/60V	2m	0.34mm ²
Bending 5 Million Welding spark resistance	Male 3-core welding spark resistance	CB12.3-2/P/EWSR	3	4A/250V	2m	0.34mm ²
	Male 4-core welding spark resistance	CB12.4-2/P/EWSR	4	4A/250V	2m	0.34mm ²
	Male 5-core welding spark resistance	CB12.5-2/P/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
	Male 12-core	CB12.12-2/WS	12	1.5A/30V	2m	0.25mm ²
PUR Shielded Bending 5 Million	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
	Male 12-core	CB12.12-2/WS/P	12	1.5A/30V	2m	0.25mm 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


Double-ended I/O Cordsets-M12 (female) to M12 (male)

Description:
Used for sensors, I/O connector connecting. Standard M12 threaded connection. Advanced design idea of female-to-male ends connector. Straight series and angled series are available. 3, 4, 5, 8,12-core are optional. Customized cable lengths. Degree of protection IP67.

Features:

- PVC, PUR cable are optional
- Optional shielded function
- A-coded interface

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).



Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	3-core straight to straight	CO12.3-2-C12.3	3	4A/250V	2m	0.34mm ²
	3-core straight to angled	CO12.3-2-CB12.3	3	4A/250V	2m	0.34mm ²
	4-core straight to straight	CO12.4-2-C12.4	4	4A/250V	2m	0.34mm ²
	4-core straight to angled	CO12.4-2-CB12.4	4	4A/250V	2m	0.34mm ²
	5-core straight to straight	CO12.5-2-C12.5	5	4A/60V	2m	0.34mm ²
	5-core straight to angled	CO12.5-2-CB12.5	5	4A/60V	2m	0.34mm ²
	8-core straight to straight	CO12.8-2-C12.8	8	2A/30V	2m	0.25mm ²
	8-core straight to angled	CO12.8-2-CB12.8	8	2A/30V	2m	0.25mm ²
	12-core straight to straight	CO12.12-2-C12.12	12	1.5A/30V	2m	0.25mm ²
	12-core straight to angled	CO12.12-2-CB12.12	12	1.5A/30V	2m	0.25mm ²
PUR Bending 5 Million	3-core straight to straight	CO12.3-2-C12.3/P	3	4A/250V	2m	0.34mm ²
	3-core straight to angled	CO12.3-2-CB12.3/P	3	4A/250V	2m	0.34mm ²
	4-core straight to straight	CO12.4-2-C12.4/P	4	4A/250V	2m	0.34mm ²
	4-core straight to angled	CO12.4-2-CB12.4/P	4	4A/250V	2m	0.34mm ²
	5-core straight to straight	CO12.5-2-C12.5/P	5	4A/60V	2m	0.34mm ²
	5-core straight to angled	CO12.5-2-CB12.5/P	5	4A/60V	2m	0.34mm ²
	8-core straight to straight	CO12.8-2-C12.8/P	8	2A/30V	2m	0.25mm ²
	8-core straight to angled	CO12.8-2-CB12.8/P	8	2A/30V	2m	0.25mm ²
	12-core straight to straight	CO12.12-2-C12.12/P	12	1.5A/30V	2m	0.25mm ²
	12-core straight to angled	CO12.12-2-CB12.12/P	12	1.5A/30V	2m	0.25mm ²

Selection Instructions


CO12.4 - 2 - C12.4/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




Double-ended I/O Cordsets-M12 (female) to M12 (male)

Description:
Used for sensors, I/O connector connecting. Standard M12 threaded connection. Advanced design idea of female-to-male ends connector. Straight series and angled series are available. 3, 4, 5, 8,12-core are optional. Customized cable lengths. Degree of protection IP67.

Features:

- PVC, PUR cable are optional
- Optional shielded function
- A-coded interface

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).



Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section	
PVC	3-core angled to straight	CBO12.3-2-C12.3	3	4A/250V	2m	0.34mm ²	
	3-core angled to angled	CBO12.3-2-CB12.3	3	4A/250V	2m	0.34mm ²	
	4-core angled to straight	CBO12.4-2-C12.4	4	4A/250V	2m	0.34mm ²	
	4-core angled to angled	CBO12.4-2-CB12.4	4	4A/250V	2m	0.34mm ²	
	5-core angled to straight	CBO12.5-2-C12.5	5	4A/60V	2m	0.34mm ²	
	5-core angled to angled	CBO12.5-2-CB12.5	5	4A/60V	2m	0.34mm ²	
	8-core angled to straight	CBO12.8-2-C12.8	8	2A/30V	2m	0.25mm ²	
	8-core angled to angled	CBO12.8-2-CB12.8	8	2A/30V	2m	0.25mm ²	
	12-core angled to straight	CBO12.12-2-C12.12	12	1.5A/30V	2m	0.25mm ²	
	12-core angled to angled	CBO12.12-2-CB12.12	12	1.5A/30V	2m	0.25mm ²	
	PUR Bending 5 Million	3-core angled to straight	CBO12.3-2-C12.3/P	3	4A/250V	2m	0.34mm ²
		3-core angled to angled	CBO12.3-2-CB12.3/P	3	4A/250V	2m	0.34mm ²
4-core angled to straight		CBO12.4-2-C12.4/P	4	4A/250V	2m	0.34mm ²	
4-core angled to angled		CBO12.4-2-CB12.4/P	4	4A/250V	2m	0.34mm ²	
5-core angled to straight		CBO12.5-2-C12.5/P	5	4A/60V	2m	0.34mm ²	
5-core angled to angled		CBO12.5-2-CB12.5/P	5	4A/60V	2m	0.34mm ²	
8-core angled to straight		CBO12.8-2-C12.8/P	8	2A/30V	2m	0.25mm ²	
8-core angled to angled		CBO12.8-2-CB12.8/P	8	2A/30V	2m	0.25mm ²	
12-core angled to straight		CBO12.12-2-C12.12/P	12	1.5A/30V	2m	0.25mm ²	
12-core angled to angled		CBO12.12-2-CB12.12/P	12	1.5A/30V	2m	0.25mm ²	

Selection Instructions

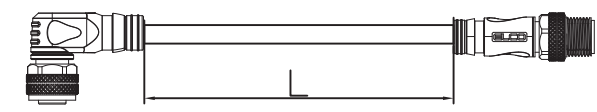
CBO12.4 - 2 - C12.4 / P

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



Double-ended I/O Cordsets-M12 (female) to M8 (male)

Description:						
Used for sensors, I/O connector connecting. Standard M12, M8 threaded connecting. Advanced design idea of female-to-male ends connector. Straight series, angled series and 3, 4-core are optional. Customized cable lengths. Degree of protection IP67.						
Features:						
<ul style="list-style-type: none"> ■ PVC, PUR cable are optional ■ A-coded interface 						
* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).						
Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	3-core straight to straight	CO12.3-2-C8.3	3	4A/60V	2m	0.25mm ²
	3-core straight to angled	CO12.3-2-CB8.3	3	4A/60V	2m	0.25mm ²
	4-core straight to straight	CO12.4-2-C8.4	4	4A/30V	2m	0.25mm ²
	4-core straight to angled	CBO12.4-2-CB8.4	4	4A/30V	2m	0.25mm ²
PUR Bending 5 Million	3-core straight to straight	CO12.3-2-C8.3/P	3	4A/60V	2m	0.25mm ²
	3-core straight to angled	CO12.3-2-CB8.3/P	3	4A/60V	2m	0.25mm ²
	4-core straight to straight	CO12.4-2-C8.4/P	4	4A/30V	2m	0.25mm ²
	4-core straight to angled	CO12.4-2-CB8.4/P	4	4A/30V	2m	0.25mm ²



Selection Instructions	
CO12.4 - 2 - C8.4 / 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	

Double-ended I/O Cordsets-M12 (female) to M8 (male)

Description:						
Used for sensors, I/O connector connecting. Standard M12, M8 threaded connection. Advanced design idea of female-to-male ends connector. Straight series and angled series are available. 3, 4-core are optional. Customized cable lengths. Degree of protection IP67.						
Features:						
<ul style="list-style-type: none"> ■ PVC, PUR cable are optional ■ A-coded interface 						
* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).						
Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	3-core angled to straight	CBO12.3-2-C8.3	3	4A/60V	2m	0.25mm ²
	3-core angled to angled	CBO12.3-2-CB8.3	3	4A/60V	2m	0.25mm ²
	4-core angled to straight	CBO12.4-2-C8.4	4	4A/30V	2m	0.25mm ²
	4-core angled to angled	CBO12.4-2-CB8.4	4	4A/30V	2m	0.25mm ²
PUR Bending 5 Million	3-core angled to straight	CBO12.3-2-C8.3/P	3	4A/60V	2m	0.25mm ²
	3-core angled to angled	CBO12.3-2-CB8.3/P	3	4A/60V	2m	0.25mm ²
	4-core angled to straight	CBO12.4-2-C8.4/P	4	4A/30V	2m	0.25mm ²
	4-core angled to angled	CBO12.4-2-CB8.4/P	4	4A/30V	2m	0.25mm ²



Selection Instructions	
CBO12.4 - 2 - C8.4 / 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	

Double-ended I/O Cordsets-M12 (female) to M12 (male)


Description:

Used for sensors, I/O connector connecting. Standard M12 threaded connection. Advanced design idea of female-to-male ends connector. Straight series and angled series are available. 3, 4, 5-core are optional. Customized cable lengths. Degree of protection IP67.

Features:

- PVC, PUR cable are optional
- Optional shielded function
- M12 (female) with LED to M12 (male)

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).




Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	3-core straight to straight LEDPNP	CO12.3-2-C12.3/L	3	4A/30V	2m	0.34mm ²
	3-core straight to angled LEDPNP	CO12.3-2-CB12.3/L	3	4A/30V	2m	0.34mm ²
	4-core straight to straight LEDPNP	CO12.4-2-C12.4/L	4	4A/30V	2m	0.34mm ²
	4-core straight to angled LEDPNP	CO12.4-2-CB12.4/L	4	4A/30V	2m	0.34mm ²
	3-core straight to straight LEDNPN	CO12.3-2-C12.3/LN	3	4A/30V	2m	0.34mm ²
	3-core straight to angled LEDNPN	CO12.3-2-CB12.3/LN	3	4A/30V	2m	0.34mm ²
	4-core straight to straight LEDNPN	CO12.4-2-C12.4/LN	4	4A/30V	2m	0.34mm ²
	4-core straight to angled LEDNPN	CO12.4-2-CB12.4/LN	4	4A/30V	2m	0.34mm ²
PUR Bending 5 Million	3-core straight to straight LEDPNP	CO12.3-2-C12.3/L/P	3	4A/30V	2m	0.34mm ²
	3-core straight to angled LEDPNP	CO12.3-2-CB12.3/L/P	3	4A/30V	2m	0.34mm ²
	4-core straight to straight LEDPNP	CO12.4-2-C12.4/L/P	4	4A/30V	2m	0.34mm ²
	4-core straight to angled LEDPNP	CO12.4-2-CB12.4/L/P	4	4A/30V	2m	0.34mm ²
	3-core straight to straight LEDNPN	CO12.3-2-C12.3/LN/P	3	4A/30V	2m	0.34mm ²
	3-core straight to angled LEDNPN	CO12.3-2-CB12.3/LN/P	3	4A/30V	2m	0.34mm ²
	4-core straight to straight LEDNPN	CO12.4-2-C12.4/LN/P	4	4A/30V	2m	0.34mm ²
	4-core straight to angled LEDNPN	CO12.4-2-CB12.4/LN/P	4	4A/30V	2m	0.34mm ²

Selection Instructions

CO12.4 - 2 - C12.4 / 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	
	Straight Single Signal (3-Pin)	PNP and NPN circuit diagrams
	Straight Double Signal (4-pin, 5-pin)	PNP and NPN circuit diagrams
	Angled Single Signal (3-Pin)	PNP and NPN circuit diagrams
	Angled Double Signal (4-pin, 5-pin)	PNP and NPN circuit diagrams

Double-ended I/O Cordsets-M12 (female) to M12 (male)


Description:

Used for sensors, I/O connector connecting. Standard M12 threaded connection. Advanced design idea of female-to-male ends connector. Straight series and angled series are available. 3, 4, 5-core are optional. Customized cable lengths. Degree of protection IP67.

Features:

- PVC, PUR cable are optional
- Optional shielded function
- M12 (female) with LED to M12 (male)

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).




Type Code

Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	3-core angled to straight LEDPNP	CBO12.3-2-C12.3/L	3	4A/30V	2m	0.25mm ²
	3-core angled to angled LEDPNP	CBO12.3-2-CB12.3/L	3	4A/30V	2m	0.25mm ²
	4-core angled to straight LEDPNP	CBO12.4-2-C12.4/L	4	4A/30V	2m	0.25mm ²
	4-core angled to angled LEDPNP	CBO12.4-2-CB12.4/L	4	4A/30V	2m	0.25mm ²
	3-core angled to straight LEDNPN	CBO12.3-2-C12.3/LN	3	4A/30V	2m	0.25mm ²
	3-core angled to angled LEDNPN	CBO12.3-2-CB12.3/LN	3	4A/30V	2m	0.25mm ²
	4-core angled to straight LEDNPN	CBO12.4-2-C12.4/LN	4	4A/30V	2m	0.25mm ²
	4-core angled to angled LEDNPN	CBO12.4-2-CB12.4/LN	4	4A/30V	2m	0.25mm ²
PUR Bending 5 Million	3-core angled to straight LEDPNP	CBO12.3-2-C12.3/L/P	3	4A/30V	2m	0.25mm ²
	3-core angled to angled LEDPNP	CBO12.3-2-CB12.3/L/P	3	4A/30V	2m	0.25mm ²
	4-core angled to straight LEDPNP	CBO12.4-2-C12.4/L/P	4	4A/30V	2m	0.25mm ²
	4-core angled to angled LEDPNP	CBO12.4-2-CB12.4/L/P	4	4A/30V	2m	0.25mm ²
	3-core angled to straight LEDNPN	CBO12.3-2-C12.3/LN/P	3	4A/30V	2m	0.25mm ²
	3-core angled to angled LEDNPN	CBO12.3-2-CB12.3/LN/P	3	4A/30V	2m	0.25mm ²
	4-core angled to straight LEDNPN	CBO12.4-2-C12.4/LN/P	4	4A/30V	2m	0.25mm ²
	4-core angled to angled LEDNPN	CBO12.4-2-CB12.4/LN/P	4	4A/30V	2m	0.25mm ²

Selection Instructions

CBO12.4 - 2 - C12.4 / 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	
	Straight Single Signal (3-Pin)	PNP and NPN circuit diagrams
	Straight Double Signal (4-pin, 5-pin)	PNP and NPN circuit diagrams
	Angled Single Signal (3-Pin)	PNP and NPN circuit diagrams
	Angled Double Signal (4-pin, 5-pin)	PNP and NPN circuit diagrams

Double-ended I/O Cordsets-M12 (female) to M8 (male)


Description:

Used for sensors, I/O connector connecting. Standard M12, M8 threaded connecting. Advanced design idea of female-to-male ends connector. Straight series, angled series and 3, 4-core are optional. Customized cable lengths. Degree of protection IP67.

Features:

- PVC, PUR cable are optional
- A-coded interface
- M12 (female) with LED to M8 (male)

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).

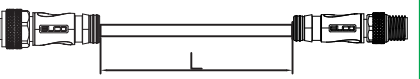
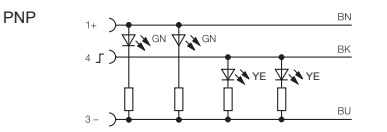
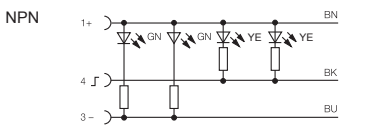
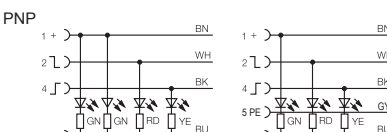
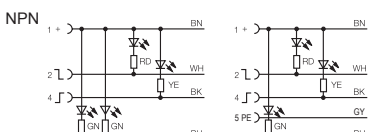
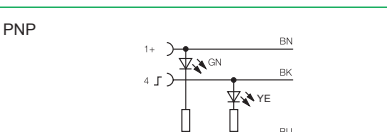
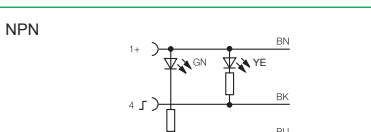
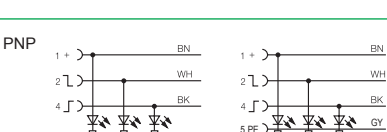
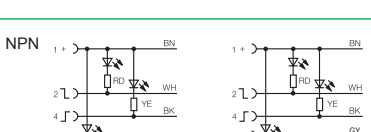


Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	3-core straight to straight LEDPNP	CO12.3-2-C8.3/L	3	4A/30V	2m	0.25mm ²
	3-core straight to angled LEDPNP	CO12.3-2-CB8.3/L	3	4A/30V	2m	0.25mm ²
	4-core straight to straight LEDPNP	CO12.4-2-C8.4/L	4	4A/30V	2m	0.25mm ²
	4-core straight to angled LEDPNP	CO12.4-2-CB8.4/L	4	4A/30V	2m	0.25mm ²
	3-core straight to straight LEDNPN	CO12.3-2-C8.3/LN	3	4A/30V	2m	0.25mm ²
	3-core straight to angled LEDNPN	CO12.3-2-CB8.3/LN	3	4A/30V	2m	0.25mm ²
	4-core straight to straight LEDNPN	CO12.4-2-C8.4/LN	4	4A/30V	2m	0.25mm ²
	4-core straight to angled LEDNPN	CO12.4-2-CB8.4/LN	4	4A/30V	2m	0.25mm ²
PUR Bending 5 Million	3-core straight to straight LEDPNP	CO12.3-2-C8.3/L/P	3	4A/30V	2m	0.25mm ²
	3-core straight to angled LEDPNP	CO12.3-2-CB8.3/L/P	3	4A/30V	2m	0.25mm ²
	4-core straight to straight LEDPNP	CO12.4-2-C8.4/L/P	4	4A/30V	2m	0.25mm ²
	4-core straight to angled LEDPNP	CO12.4-2-CB8.4/L/P	4	4A/30V	2m	0.25mm ²
	3-core straight to straight LEDNPN	CO12.3-2-C8.3/LN/P	3	4A/30V	2m	0.25mm ²
	3-core straight to angled LEDNPN	CO12.3-2-CB8.3/LN/P	3	4A/30V	2m	0.25mm ²
	4-core straight to straight LEDNPN	CO12.4-2-C8.4/LN/P	4	4A/30V	2m	0.25mm ²
	4-core straight to angled LEDNPN	CO12.4-2-CB8.4/LN/P	4	4A/30V	2m	0.25mm ²

Selection Instructions

CO12.4 - 2 - C8.4 / 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	
	Straight Single Signal (3-Pin)	<p>PNP</p>  <p>NPN</p> 
	Straight Double Signal 4-pin 5-pin(M12)	<p>PNP</p>  <p>NPN</p> 
	Angled Single Signal (3-Pin)	<p>PNP</p>  <p>NPN</p> 
	Angled Double Signal 4-pin 5-pin(M12)	<p>PNP</p>  <p>NPN</p> 

Double-ended I/O Cordsets-M12 (female) to M8 (male)


Description:

Used for sensors, I/O connector connecting. Standard M12, M8 threaded connection. Advanced design idea of female-to-male ends connector. Straight series and angled series are available. 3, 4-core are optional. Customized cable lengths. Degree of protection IP67.

Features:

- PVC, PUR cable are optional
- A-coded interface
- M12 (female) with LED to M8 (male)

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).

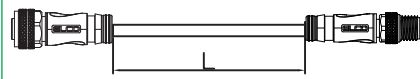
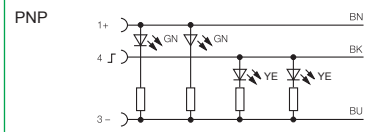
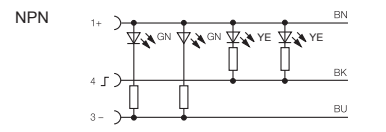
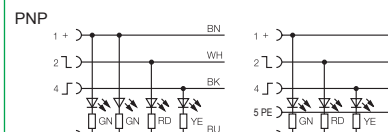
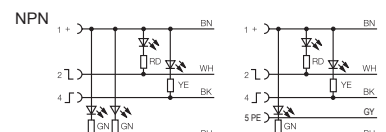
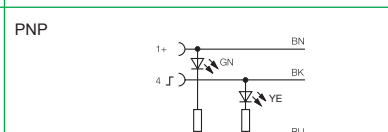
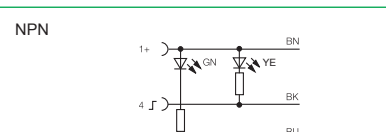
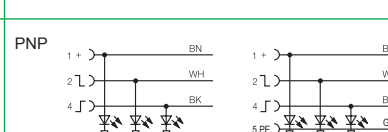
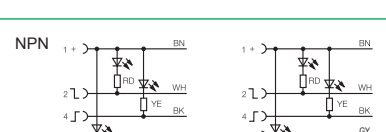


Type Code							
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section	
PVC	3-core angled to straight LEDPNP	CBO12.3-2-C8.3/L	3	4A/30V	2m	0.25mm ²	
	3-core angled to angled LEDPNP	CBO12.3-2-CB8.3/L	3	4A/30V	2m	0.25mm ²	
	4-core angled to straight LEDPNP	CBO12.4-2-C8.4/L	4	4A/30V	2m	0.25mm ²	
	4-core angled to angled LEDPNP	CBO12.4-2-CB8.4/L	4	4A/30V	2m	0.25mm ²	
	3-core angled to straight LEDNPN	CBO12.3-2-C8.3/LN	3	4A/30V	2m	0.25mm ²	
	3-core angled to angled LEDNPN	CBO12.3-2-CB8.3/LN	3	4A/30V	2m	0.25mm ²	
	4-core angled to straight LEDNPN	CBO12.4-2-C8.4/LN	4	4A/30V	2m	0.25mm ²	
	4-core angled to angled LEDNPN	CBO12.4-2-CB8.4/LN	4	4A/30V	2m	0.25mm ²	
	PUR Bending 5 Million	3-core angled to straight LEDPNP	CBO12.3-2-C8.3/L/P	3	4A/30V	2m	0.25mm ²
		3-core angled to angled LEDPNP	CBO12.3-2-CB8.3/L/P	3	4A/30V	2m	0.25mm ²
4-core angled to straight LEDPNP		CBO12.4-2-C8.4/L/P	4	4A/30V	2m	0.25mm ²	
4-core angled to angled LEDPNP		CBO12.4-2-CB8.4/L/P	4	4A/30V	2m	0.25mm ²	
3-core angled to straight LEDNPN		CBO12.3-2-C8.3/LN/P	3	4A/30V	2m	0.25mm ²	
3-core angled to angled LEDNPN		CBO12.3-2-CB8.3/LN/P	3	4A/30V	2m	0.25mm ²	
4-core angled to straight LEDNPN		CBO12.4-2-C8.4/LN/P	4	4A/30V	2m	0.25mm ²	
4-core angled to angled LEDNPN		CBO12.4-2-CB8.4/LN/P	4	4A/30V	2m	0.25mm ²	

Selection Instructions

CBO12.4 - 2 - C8.4 / 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	
	Straight Single Signal (3-Pin)	<p>PNP</p>  <p>NPN</p> 
	Straight Double Signal 4-pin 5-pin(M12)	<p>PNP</p>  <p>NPN</p> 
	Angled Single Signal (3-Pin)	<p>PNP</p>  <p>NPN</p> 
	Angled Double Signal 4-pin 5-pin(M12)	<p>PNP</p>  <p>NPN</p> 

Y Splitter M12-male to M12-female

Description:						
Used for sensors, I/O connector connecting. Standard M12 threaded connection. Advanced design idea of female-to-male ends connector. Straight series and angled series are available. Customized cable lengths. Degree of protection IP67.						
Features:						
<ul style="list-style-type: none"> ■ PVC, PUR cable are optional ■ A-coded interface 						
* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).						
Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	Straight to 2 straight	ECS-2CO12.4-2/2	4-3/3	4A/250V	2m	0.34mm ²
	Straight to 2 angled	ECS-2CBO12.4-2/2	4-3/3	4A/250V	2m	0.34mm ²
	Straight to 2 straight	ECS-2CO12.4-2/2/B24	4-4/4	4A/250V	2m	0.34mm ²
	Straight to 2 angled	ECS-2CBO12.4-2/2/B24	4-4/4	4A/250V	2m	0.34mm ²
PUR Bending 5 Million	Straight to 2 straight	ECS-2CO12.4-2/2/P	4-3/3	4A/250V	2m	0.34mm ²
	Straight to 2 angled	ECS-2CBO12.4-2/2/P	4-3/3	4A/250V	2m	0.34mm ²
	Straight to 2 straight	ECS-2CO12.4-2/2/B24/P	4-4/4	4A/250V	2m	0.34mm ²
	Straight to 2 angled	ECS-2CBO12.4-2/2/B24/P	4-4/4	4A/250V	2m	0.34mm ²



Selection Instructions

ECS-2CO12.4-2/2/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	Wiring Diagram
	<p>Standard</p> <p>A5</p>

Y Splitter M12-male to M8-female

Description:						
Used for sensors, I/O connector connecting. Standard M12 threaded connection. Advanced design idea of female-to-male ends connector. Straight series and angled series are available. Customized cable lengths. Degree of protection IP67.						
Features:						
<ul style="list-style-type: none"> ■ PVC, PUR cable are optional ■ A-coded interface 						
* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).						
Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	Straight to 2 straight	ECS-2CO8.3-2/2	4-3/3	4A/60V	2m	0.25mm ²
	Straight to 2 angled	ECS-2CBO8.3-2/2	4-3/3	4A/60V	2m	0.25mm ²
PUR Bending 5 Million	Straight to 2 straight	ECS-2CO8.3-2/2/P	4-3/3	4A/60V	2m	0.25mm ²
	Straight to 2 angled	ECS-2CBO8.3-2/2/P	4-3/3	4A/60V	2m	0.25mm ²



Selection Instructions

ECS-2CO8.3-2/2/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	Wiring Diagram
	<p>Standard</p>

Y Splitter M12-male to M12-female

Description:

Used for sensors, I/O connector connecting. Standard M12 threaded connection. Advanced design idea of female-to-male ends connector. Straight series and angled series are available. 3, 4-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 (P166).

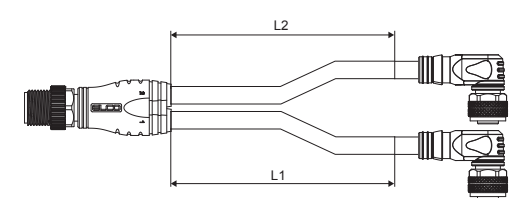
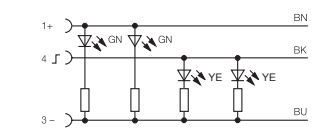
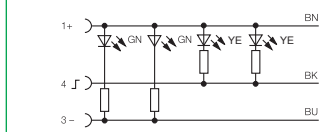
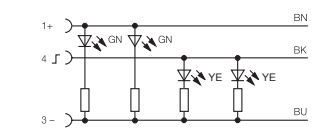
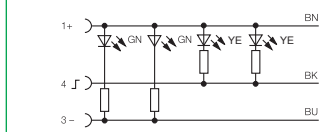
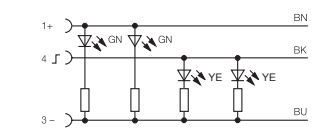
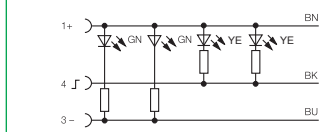
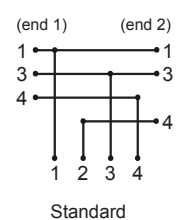
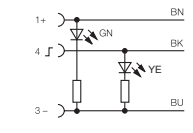
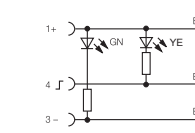
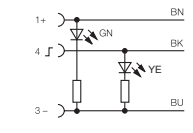
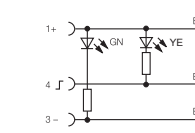
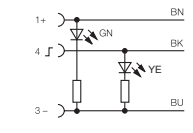
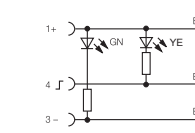
Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	Straight to 2 straight PNP	ECS-2CO12.4-2/2/L	4-3/3	4A/30V	2m	0.34mm ²
	Straight to 2 angled PNP	ECS-2CBO12.4-2/2/L	4-3/3	4A/30V	2m	0.34mm ²
	Straight to 2 straight NPN	ECS-2CO12.4-2/2/LN	4-3/3	4A/30V	2m	0.34mm ²
	Straight to 2 angled NPN	ECS-2CBO12.4-2/2/LN	4-3/3	4A/30V	2m	0.34mm ²
PUR Bending 5 Million	Straight to 2 straight PNP	ECS-2CO12.4-2/2/L/P	4-3/3	4A/30V	2m	0.34mm ²
	Straight to 2 angled PNP	ECS-2CBO12.4-2/2/L/P	4-3/3	4A/30V	2m	0.34mm ²
	Straight to 2 straight NPN	ECS-2CO12.4-2/2/LN/P	4-3/3	4A/30V	2m	0.34mm ²
	Straight to 2 angled NPN	ECS-2CBO12.4-2/2/LN/P	4-3/3	4A/30V	2m	0.34mm ²

Selection Instructions

ECS-2CO12.4-2/2/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>Straight Single Signal (3-Pin)</p> <table border="1"> <tr> <td>PNP</td> <td>NPN</td> </tr> <tr> <td>  </td> <td>  </td> </tr> </table>	PNP	NPN		
	PNP	NPN			
					
<p>Wiring Diagram</p>  <p>Standard</p>	<p>Angled Single Signal (3-Pin)</p> <table border="1"> <tr> <td>PNP</td> <td>NPN</td> </tr> <tr> <td>  </td> <td>  </td> </tr> </table>	PNP	NPN		
PNP	NPN				
					

Y Splitter M12-male to M8-female

Description:

Used for sensors, I/O connector connecting. Standard M12 threaded connection. Advanced design idea of female-to-male ends connector. Straight series and angled series are available. 3, 4-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 (P166).

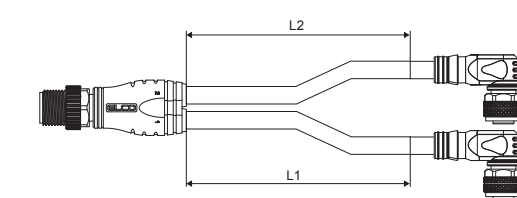
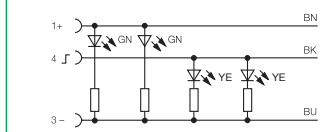
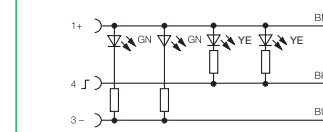
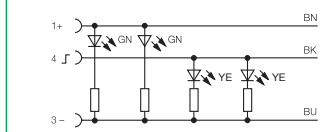
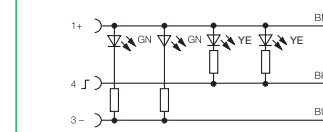
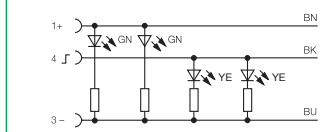
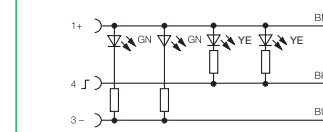
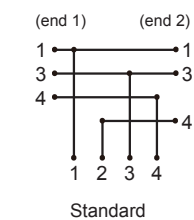
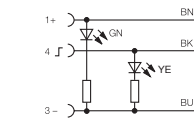
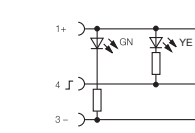
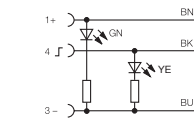
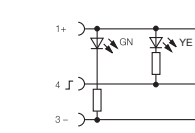
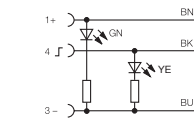
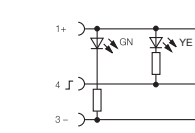
Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	Straight to 2 straight PNP	ECS-2CO8.3-2/2/L	4-3/3	4A/30V	2m	0.25mm ²
	Straight to 2 angled PNP	ECS-2CBO8.3-2/2/L	4-3/3	4A/30V	2m	0.25mm ²
	Straight to 2 straight NPN	ECS-2CO8.3-2/2/LN	4-3/3	4A/30V	2m	0.25mm ²
	Straight to 2 angled NPN	ECS-2CBO8.3-2/2/LN	4-3/3	4A/30V	2m	0.25mm ²
PUR Bending 5 Million	Straight to 2 straight PNP	ECS-2CO8.3-2/2/L/P	4-3/3	4A/30V	2m	0.25mm ²
	Straight to 2 angled PNP	ECS-2CBO8.3-2/2/L/P	4-3/3	4A/30V	2m	0.25mm ²
	Straight to 2 straight NPN	ECS-2CO8.3-2/2/LN/P	4-3/3	4A/30V	2m	0.25mm ²
	Straight to 2 angled NPN	ECS-2CBO8.3-2/2/LN/P	4-3/3	4A/30V	2m	0.25mm ²

Selection Instructions

ECS-2CO8.3-2/2/L

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>Straight Single Signal (3-Pin)</p> <table border="1"> <tr> <td>PNP</td> <td>NPN</td> </tr> <tr> <td>  </td> <td>  </td> </tr> </table>	PNP	NPN		
	PNP	NPN			
					
<p>Wiring Diagram</p>  <p>Standard</p>	<p>Angled Single Signal (3-Pin)</p> <table border="1"> <tr> <td>PNP</td> <td>NPN</td> </tr> <tr> <td>  </td> <td>  </td> </tr> </table>	PNP	NPN		
PNP	NPN				
					

Y Splitter M12(M) to Homerun Cable

Description:						
Used for field equipment connecting, such as sensors and solenoid valves. Standard threaded connection with two free ends, 3-core. Customized cable lengths. Degree of protection IP67.						
Features:						
<ul style="list-style-type: none"> ■ PVC, PUR cable are optional ■ A-coded interface ■ Homerun cable 						
* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).						
Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
PVC	Y Splitter M12(M) to Homerun Cable	ECS-2.3-2/2	4-3/3	4A/250V	2m	0.34mm ²
PUR Bending 5 Million	Y Splitter M12(M) to Homerun Cable	ECS-2.3-2/2/P	4-3/3	4A/250V	2m	0.34mm ²



Selection Instructions	
ECS-2.3-2/2/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	Wiring Diagram
		<p style="text-align: center;">Standard</p>

Y Adapter

Description:					
Standard M12, M8 threaded connection, female to male interface. 3, 4, 5-core are available. Degree of protection IP67.					
Features:					
<ul style="list-style-type: none"> ■ TPU covering ■ A-coded interface 					
Type Code					
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length
Standard	Universal Y adapter	ECS-CO12.3	4-3/3	4A/60V	—
	Universal Y adapter	ECS-CO12.3/L	4-3/3	4A/30V	—
	Universal Y adapter	ECS-CO12.3/LN	4-3/3	4A/30V	—
	Universal Y adapter	ECS-CO8.3	4-3/3	4A/60V	—
	Universal Y adapter	ECS-CO8.3/L	4-3/3	4A/30V	—
	Universal Y adapter	ECS-CO8.3/LN	4-3/3	4A/30V	—
Special	Special Y adapter	ECS-CO12.5	5-5/5	4A/60V	—
	Special Y adapter	ECS-CO12.5/S5	5-5/5	4A/60V	—
	Special Y adapter	ECS-CO12.5/S1	5-4/4	4A/60V	—
	Special Y adapter	ECS-CO12.5/B24	5-4/4	4A/60V	—
	Special Y adapter	ECS-FC12.5VT	5-4/4	4A/60V	—



Selection Instructions	
ECS-CO12.3	
Attn : Standard.	

Additional Information			
Dimensions			

Wiring Diagram					
<p>ECS-CO12.3orCO8.3</p>	<p>ECS-CO12.5/S1</p>	<p>ECS-CO12.5</p>	<p>ECS-CO12.5/B24</p>	<p>ECS-CO12.5/S5</p>	<p>ECS-FC12.5VT</p>

Y Adapter with Cable

Description:

Standard M12 threaded connection, female to male/female interface,
4-core extended cable is available. Degree of protection IP67.

Features:

- PVC, PUR cable are optional
- A-coded interface
- M12 or M8 interface optional

* All technical information about the raw cable for connectors, please refer to the "cable" section (P166).



Type Code						
Cable jacket	Description	Type	Pin	Rated current/voltage	Cable length	Wire section
Special Y adapter PVC	M12 male straight	ECS-CO12.3-2-C12.4	4-3/3	4A/60V	2m	0.34mm ²
	M8 male straight	ECS-CO12.3-2-C8.4	4-3/3	4A/60V	2m	0.25mm ²
	M12 male angled	ECS-CO12.3-2-CB12.4	4-3/3	4A/60V	2m	0.34mm ²
	M8 male angled	ECS-CO12.3-2-CB8.4	4-3/3	4A/60V	2m	0.25mm ²
Special Y adapter PUR Bending 5 Million	M12 male straight	ECS-CO12.3-2-C12.4/P	4-3/3	4A/60V	2m	0.34mm ²
	M8 male straight	ECS-CO12.3-2-C8.4/P	4-3/3	4A/60V	2m	0.25mm ²
	M12 male angled	ECS-CO12.3-2-CB12.4/P	4-3/3	4A/60V	2m	0.34mm ²
	M8 male angled	ECS-CO12.3-2-CB8.4/P	4-3/3	4A/60V	2m	0.25mm ²

Selection Instructions

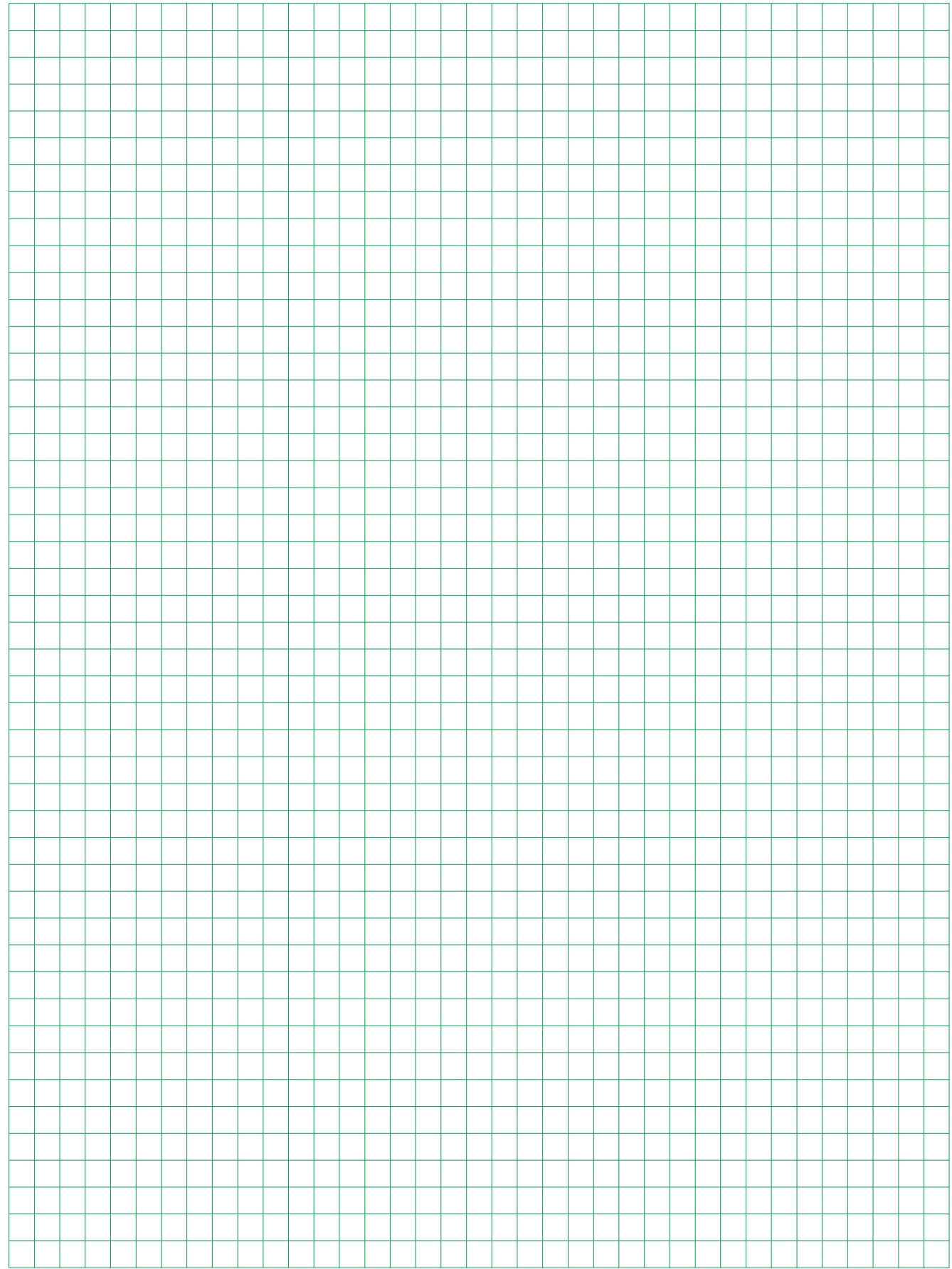
ECS-CO12.3-2-C12.4

① ②

Attn : ①: Customized cable lengths are available.
②: Customized (optional straight/angled type), M12 and M8 are optional.

Additional information

Dimensions	Wiring Diagram
	<p>(end 1) (end 2)</p> <p>1 1 3 3 4 4 1 2 3 4</p> <p>Universal 4-3</p>



Field-attachable I/O Connector-M12 (Straight-female)

Description:					
Used for sensors and I/O connecting. Standard threaded connection. Designed with the female port. 4, 5, 8-core are available. PG7(4-6mm) and PG9(6-8mm) output interface are optional. Degree of protection IP67.					
Features:					
<ul style="list-style-type: none"> Flexible screw joints and pin contact. Optional transparent housing. 					
Type Code					
Housing material	Description	Type	Pin	Rated current/voltage	Cable ϕ
PA	4-core female	LSO12.4-0/C(BU)	4	4A/250V	4-6mm
	5-core female	LSO12.5-0/C(BU)	5	4A/60V	4-6mm
	4-core female	LSO12.4-9/C(BU)	4	4A/250V	6-8mm
	5-core female	LSO12.5-9/C(BU)	5	4A/60V	6-8mm
	8-core female	LSO12.8-0/C(BU)	8	2A/30V	4-6mm
	8-core female	LSO12.8-9/C(BU)	8	2A/30V	6-8mm



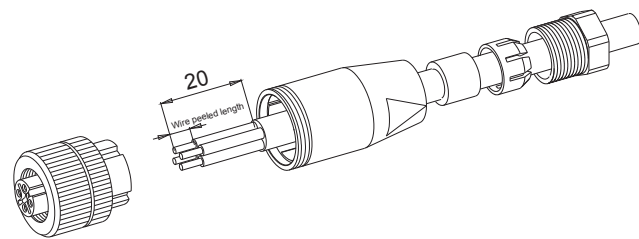
Selection Instructions

LSO12.4 - 0/C(BU)

Attn: Standard

Additional information

- Cross section of core, max.0.75mm².
- If it connect to distribution box or IP67 module, please note the right match with the internal slot to avoid affecting the overall wiring.
- The cable jacket peeled length is 20mm, and the wire peeled length is 5mm during mounting process.



Field-attachable I/O Connector-M12 (Straight-male)

Description:					
Used for sensors and I/O connecting. Standard threaded connection. Designed with the male port. 4, 5, 8-core are available. PG7(4-6mm) and PG9(6-8mm) output interface are optional. Degree of protection IP67.					
Features:					
<ul style="list-style-type: none"> Flexible screw joints and pin contact. Optional transparent housing. 					
Type Code					
Housing material	Description	Type	Pin	Rated current/voltage	Cable ϕ
PA	4-core male	LS12.4-0/C(BU)	4	4A/250V	4-6mm
	5-core male	LS12.5-0/C(BU)	5	4A/60V	4-6mm
	4-core male	LS12.4-9/C(BU)	4	4A/250V	6-8mm
	5-core male	LS12.5-9/C(BU)	5	4A/60V	6-8mm
	8-core male	LS12.8-0/C(BU)	8	2A/30V	4-6mm
	8-core male	LS12.8-9/C(BU)	8	2A/30V	6-8mm



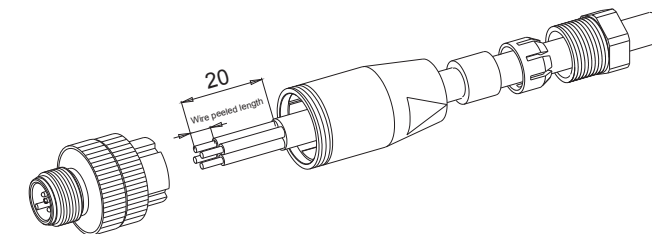
Selection Instructions

LS12.4 - 0/C(BU)

Attn: Standard

Additional information

- Cross section of core, max.0.75mm².
- If it connect to distribution box or IP67 module, please note the right match with the internal slot to avoid affecting the overall wiring.
- The cable jacket peeled length is 20mm, and the wire peeled length is 5mm during mounting process.



Field-attachable I/O Connector-M12 (Angled-female)

Description:					
Used for sensors and I/O connecting. Standard threaded connection. Designed with the female port. 4, 5, 8-core are available. PG7(4-6mm) and PG9(6-8mm) output interface are optional. Degree of protection IP67.					
Features:					
<ul style="list-style-type: none"> Flexible screw joints and pin contact. Optional transparent housing. 					
Type Code					
Housing material	Description	Type	Pin	Rated current/voltage	Cable ϕ
PA	4-core female	LSBO12.4-0/C(BU)	4	4A/250V	4-6mm
	5-core female	LSBO12.5-0/C(BU)	5	4A/60V	4-6mm
	4-core female	LSBO12.4-9/C(BU)	4	4A/250V	6-8mm
	5-core female	LSBO12.5-9/C(BU)	5	4A/60V	6-8mm
	8-core female	LSBO12.8-0/C(BU)	8	2A/30V	4-6mm
	8-core female	LSBO12.8-9/C(BU)	8	2A/30V	6-8mm



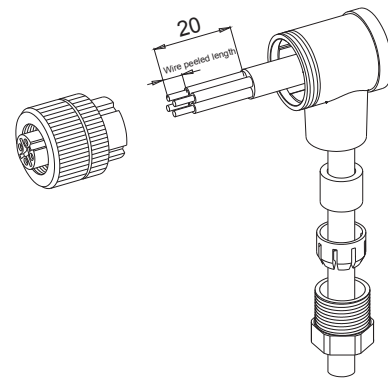
Selection Instructions

LSBO12.4 - 0/C(BU)

Attn: Standard

Additional information

1. Cross section of core, max.0.75mm².
2. If it connect to distribution box or IP67 module, please note the right match with the internal slot to avoid affecting the overall wiring.
3. The cable jacket peeled length is 20mm, and the wire peeled length is 5mm during mounting process.



Field-attachable I/O Connector-M12 (Angled-male)

Description:					
Used for sensors and I/O connecting. Standard threaded connection. Designed with the male port. 4, 5, 8-core are available. PG7(4-6mm) and PG9(6-8mm) output interface are optional. Degree of protection IP67.					
Features:					
<ul style="list-style-type: none"> Flexible screw joints and pin contact. Optional transparent housing. 					
Type Code					
Housing material	Description	Type	Pin	Rated current/voltage	Cable ϕ
PA	4-core male	LSB12.4-0/C(BU)	4	4A/250V	4-6mm
	5-core male	LSB12.5-0/C(BU)	5	4A/60V	4-6mm
	4-core male	LSB12.4-9/C(BU)	4	4A/250V	6-8mm
	5-core male	LSB12.5-9/C(BU)	5	4A/60V	6-8mm
	8-core male	LSB12.8-0/C(BU)	8	2A/30V	4-6mm
	8-core male	LSB12.8-9/C(BU)	8	2A/30V	6-8mm



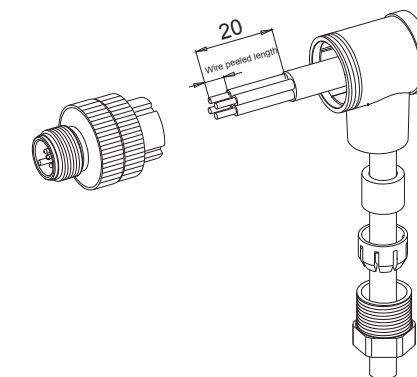
Selection Instructions

LSB12.4 - 0/C(BU)

Attn: Standard

Additional information

1. Cross section of core, max.0.75mm².
2. If it connect to distribution box or IP67 module, please note the right match with the internal slot to avoid affecting the overall wiring.
3. The cable jacket peeled length is 20mm, and the wire peeled length is 5mm during mounting process.




Field-attachable I/O Connector - M12(Straight/angled-female)

Description:

Used for sensors and I/O connecting. Standard M12 threaded connection. Designed with the female port. 4, 5, 8-core are available. PG7(4-6mm) and PG9(6-8mm) output interface are optional. Degree of protection IP67.

Features:

- Flexible screw joints and pin contact.
- Metal housing; shielding function.



Type Code

Housing material	Description	Type	Pin	Rated current/voltage	Cable ϕ
Nickel-plated cast zinc	4-core female straight	LSO12.4-0/M/S/C	4	4A/250V	4-6mm
	4-core female straight	LSO12.4-9/M/S/C	4	4A/250V	6-8mm
	5-core female straight	LSO12.5-0/M/S/C	5	4A/60V	4-6mm
	5-core female straight	LSO12.5-9/M/S/C	5	4A/60V	6-8mm
	8-core female straight	LSO12.8-9/M/S/C	8	2A/30V	6-8mm
	4-core female angled	LSBO12.4-0/M/S/C	4	4A/250V	4-6mm
	4-core female angled	LSBO12.4-9/M/S/C	4	4A/250V	6-8mm
	5-core female angled	LSBO12.5-0/M/S/C	5	4A/60V	4-6mm
	5-core female angled	LSBO12.5-9/M/S/C	5	4A/60V	6-8mm
	8-core female angled	LSBO12.8-9/M/S/C	8	2A/30V	6-8mm

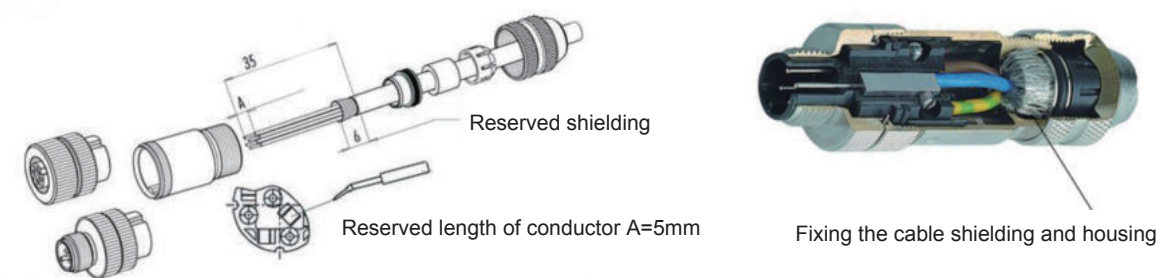
Selection Instructions

LSO12.4 - 0/M/S/C

Attn: Standard

Additional Information

- Cross section of core, max.0.75mm².
- If it connect to distribution box or IP67 module, please note the right match with the internal slot to avoid affecting the overall wiring.
- The cable jacket peeled length is 20mm, and the wire peeled length is 5mm during mounting process.




Field-attachable I/O Connector - M12(Straight/angled-male)

Description:

Used for sensors and I/O connecting. Standard M12 threaded connection. Designed with the male port. 4, 5, 8-core are available. PG7(4-6mm) and PG9(6-8mm) output interface are optional. Degree of protection IP67.

Features:

- Flexible screw joints and pin contact.
- Metal housing; shielding function.



Type Code

Housing material	Description	Type	Pin	Rated current/voltage	Cable ϕ
Nickel-plated cast zinc	4-core male straight	LS12.4-0/M/S/C	4	4A/250V	4-6mm
	4-core male straight	LS12.4-9/M/S/C	4	4A/250V	6-8mm
	5-core male straight	LS12.5-0/M/S/C	5	4A/60V	4-6mm
	5-core male straight	LS12.5-9/M/S/C	5	4A/60V	6-8mm
	8-core male straight	LS12.8-9/M/S/C	8	2A/30V	6-8mm
	4-core male angled	LSB12.4-0/M/S/C	4	4A/250V	4-6mm
	4-core male angled	LSB12.4-9/M/S/C	4	4A/250V	6-8mm
	5-core male angled	LSB12.5-0/M/S/C	5	4A/60V	4-6mm
	5-core male angled	LSB12.5-9/M/S/C	5	4A/60V	6-8mm
	8-core male angled	LSB12.8-9/M/S/C	8	2A/30V	6-8mm

Selection Instructions

LS12.4 - 0/M/S/C

Attn: Standard

Additional Information

- Cross section of core, max.0.75mm².
- If it connect to distribution box or IP67 module, please note the right match with the internal slot to avoid affecting the overall wiring.
- The cable jacket peeled length is 20mm, and the wire peeled length is 5mm during mounting process.

