

# Feedback Product Data Sheet

**FAGOR**  
AUTOMATION



## Extension Cable. XC-C2-...-C1

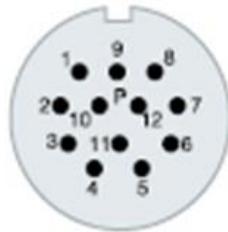


- Intermediate extension cable for incremental linear or angular encoders with 1 Vpp or TTL differential signal output.
- Extension cable XC-C2-C1 connects:
  - encoder cable EC-...C1.
  - incremental exposed L2...C1.
  - autoguided incremental encoder PB...C1.
- Twisted pairs for differential signals.
- Available in 5, 10, 15, 20, 25, 30 & 40 meter lengths.
- Low power attenuation and supply voltage sense link.

### Pin Out

Pin Input	Colour	Signal	Pin Output
1	Pink	/B	1
2	Blue	+5 V sense	2
3	Red	Io	3
4	Black	/Io	4
5	Brown	A	5
6	Green	/A	6
7	Violet	/AI (L2)	7
8	Grey	B	8
9	Yellow	(L1)	9
10	White-Green	0 V	10
11	White	0 V sense	11
12	Brown-Green	+5 V	12
Housing	Shield	Ground	Housing

### Pin Layout



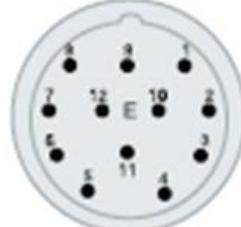
Front view

### Cable Diagram



L = 5, 10, 15, 20, 25, 30, 40 meters

### Pin Layout



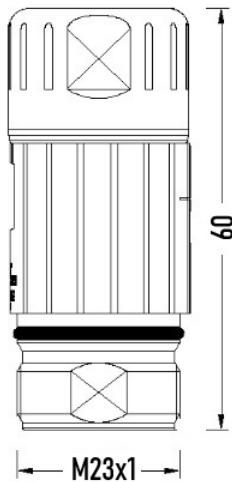
Front view

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Open  
to your  
world

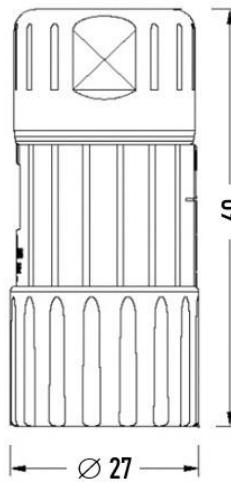
## Lead-in Connector



## Cable Specification

<b>Construction</b>	4 x 2 x 0.14 mm <sup>2</sup> + 4 x 0.5 mm <sup>2</sup>
<b>Material</b>	Polyurethane
<b>Ø</b>	8 mm
<b>Bend radius dynamic</b>	≥ 80 mm
<b>Bend radius static</b>	≥ 50 mm
<b>Shield</b>	Single
<b>Lead-in connector (encoder side)</b>	M23 12-pin female, external male, contact arrangement direction P
<b>Terminating connector</b>	M23 12-pin male, external female, contact arrangement direction E

## Terminating Connector



## Order Information

XC-C2-(x)-C1 Where (x) = 5, 10, 15, 20, 25, 30 or 40 meters.

## Example

Order Code	Description
XC-C2-10-C1	Extension cable of 10 meters, specifications as above, lead-in connector M23 12-pin female, external male, contact arrangement direction P. Terminating connector M23 12-pin male, external female, contact arrangement direction E.