

Extension Cable. XC-C2-...-FN1

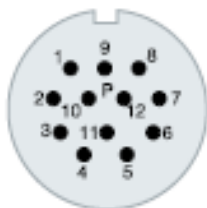


- Extension cable for incremental linear or angular encoders with 1 Vpp or TTL differential signal output.
- Extension cable XC-C2-FN1 connects:
 - encoder cable EC-...C1.
 - incremental exposed L2...C1.
 - incremental autoguided encoder PB...C1 to Fanuc systems. Position loop control.
- Twisted pairs for differential signals.
- Available in 5, 10, 15, 20, 25, 30, 40 & 50 meter lengths.
- Low power attenuation and supply voltage sense link.

Pin Out

Pin Input	Colour	Signal	Pin Output
1	Pink	/B	4
2	Blue	+5 V & +5 V sense	18 & 20 (link to pin 18)
3	Red	Io	5
4	Black	/Io	6
5	Brown	A	1
6	Green	/A	2
8	Grey	B	3
10	White-Green	0 V	12
11	White	0 V sense	14
12	Brown-Green	+5 V	9
Housing	Shield	Ground	16

Pin Layout



Front view

Cable Diagram



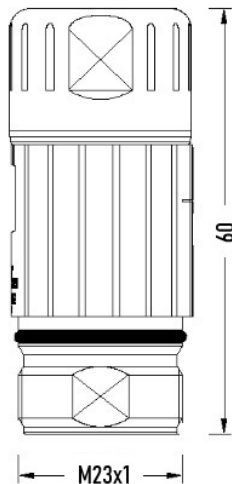
L = 5, 10, 15, 20, 25, 30, 40, 50 meters

Pin Layout



Front view

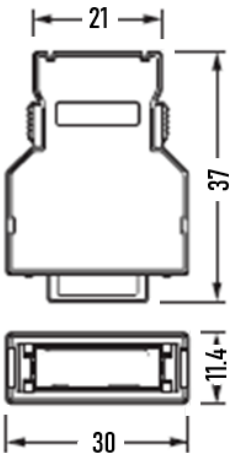
Lead-in Connector



Cable Specification

Construction	4 x 2 x 0.14 mm ² + 4 x 0.5 mm ²
Material	Polyurethane
Ø	8 mm
Bend radius dynamic	≥ 80 mm
Bend radius static	≥ 50 mm
Shield	Single
Lead-in connector (encoder side)	M23 12-pin female, external male, contact arrangement direction P
Terminating connector	FANUC 15 way female

Terminating Connector



Order Information

XC-C2-(x)-FN1 Where (x) = 5, 10, 15, 20, 25, 30, 40 or 50 meters.

Example

Order Code	Description
XC-C2-10-FN1	Extension cable of 10 meters, specifications as above, lead-in connector M23 12-pin female, external male, contact arrangement direction P. Terminating connector FANUC 15 way female.