Extension Cable. XC-M2-…D-FN

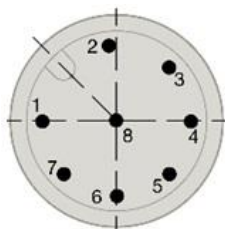- Extension cable for absolute linear or angular encoders with Fanuc digital protocol interface (α or αi).
- Extension cable XC-M2-…D-FN connects encoder cables EC-…PA-M1-N to Fanuc systems.
- Small M12 8 ways female connector, it helps the installation, routing and lay-out of the extension cable.
- Twisted pairs for differential signals.
- Available in 5, 10, 15, 20 & 25 meter lengths.
- Low power attenuation and supply voltage sense link.

Pin Out

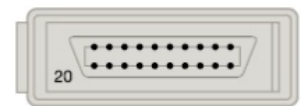| Pin input	Colour	Signal	Pin output
2	White	+5 V sense	18 & 20 (link to pin 18)
1	Blue	0 V sense	14
8	White-Green	+5 V	9
7	Violet	REQ	5
6	Pink	/REQ	6
5	Brown-Green	0 V	12
3	Yellow	DATA	1
4	Grey	/DATA	2
Housing	Shield	Ground	16

Pin Layout

Front view

Cable Diagram

L = 5, 10, 15, 20, 25 meters
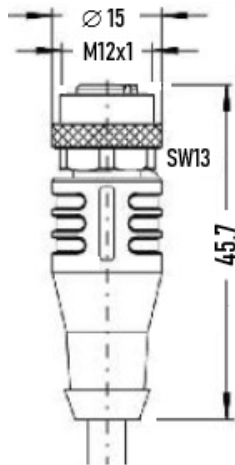
Pin Layout

Front view
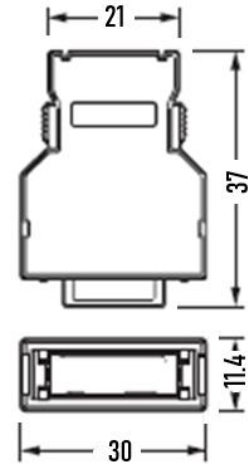
Feedback Product Data Sheet

Lead-in Connector

Cable Specification

Construction	$4 \times 2 \times 0.14$ mm^2 $+ 2 \times 2 \times 0.34$ mm^2
Material	Polyurethane
Ø	7 mm
Bend radius dynamic	≥ 56 mm
Bend radius static	≥ 35 mm
Shield	Single
Lead-in connector (encoder side)	M12 8-pin female
Terminating connector	FANUC 15 way female

Terminating Connector

Order Information

XC-M2-(x)D-FN	Where (x) = 5, 10, 15, 20 or 25 meters.

Example

Order Code	Description
XC-M2-10D-FN	Extension cable of 10 meters, specifications as above, lead-in connector M12 8-pin female. Terminating connector FANUC 15 way female.