

Encoder Cable. EC-...PA-FN



- Encoder cable for absolute linear or angular encoders with Fanuc digital protocol interface (α or αi).
- Direct connection to Fanuc systems.
- Twisted pairs for differential signals.
- Available in 1, 3, 6, 9 & 10 meter lengths.
- Available with or without armour.
- Supply voltage sense link.

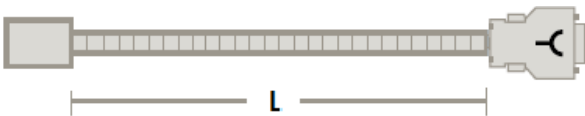
Pin Out

Pin Input	Colour	Signal	Pin Output
	Green	DATA	1
	Yellow	/DATA	2
	Blue	REQ	5
	Red	/REQ	6
	Brown	+5 V	9
	Grey	+5 V sense	18 & 20
	White	0 V	12
	Pink	0 V sense	14
	Shield	Ground	16

Pin Layout

Cable Diagram

Pin Layout



L = 1, 3, 6, 9, 10 meters



Front view

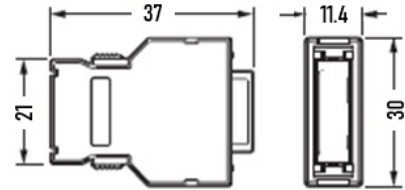


Lead-in Connector

Cable Specification

Construction	4 x 2 x 0.14 mm ²
Material	Polyurethane
Ø without armour	6 mm
Bend radius dynamic	≥ 60 mm
Bend radius static	≥ 24 mm
Ø with armour	10 mm
Bend radius dynamic	≥ 60 mm
Bend radius static	≥ 35 mm
Shield	Single
Terminating connector	FANUC 15 way female

Terminating Connector



Order Information

EC-(x)PA-FN Where (x) = 1, 3, 6, 9 or 10 meters; indicate "-N" for no armour.

Example

Order Code	Description
EC-3PA-FN	Encoder cable of 3 meters, cable type "P" specifications as above. Terminating connector FANUC 15 way female, with armour.
EC-1PA-FN-N	Encoder cable of 1 meter, cable type "P" specifications as above. Terminating connector FANUC 15 way female, without armour.