

Encoder Cable. EC-...PA-O



- Encoder cable for absolute linear or angular encoders with fully digital protocol interface (no analog signals).
- Encoder cable EC-...PA-O without terminating connector for easier routing of the cable, connecting to third party extension cables or drives.
- 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
	Grey	+5 V sense	
	Pink	0 V sense	
	Brown	+5 V	
	Blue	CLOCK	
	Red	/CLOCK	
	White	0 V	
	Green	DATA	
	Yellow	/DATA	
	Shield	Ground	

Pin Layout

Cable Diagram

Pin Layout



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



Lead-in Connector

Cable Specification

Terminating Connector

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	No

Order Information

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

Example

Order Code	Description
EC-3PA-O	Encoder cable of 3 meters, cable type "P" specifications as above. Without terminating connector and with armour.
EC-1PA-O-N	Encoder cable of 1 meter, cable type "P" specifications as above. Without terminating connector and without armour.