

Encoder Cable. EC-...PA-M1-N



- Encoder cable for absolute linear or angular encoders with purely digital protocol interface.
- Encoder cable EC-...PA-M1-N for XC-M2-... extension cables.
- Twisted pairs for differential signals.
- Available in 1, 3, 6 & 9 meter lengths.
- Available ONLY without armour.

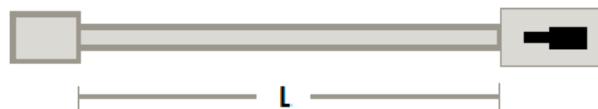
Pin Out

Pin Input	Colour	Signal	Pin Output
	Brown	+5 V	8
	Grey	+5 V sense	2
	White	0 V	5
	Pink	0 V sense	1
	Green	DATA	3
	Yellow	/DATA	4
	Blue	CLOCK (REQ)	7
	Red	/CLOCK (/REQ)	6
	Shield	Ground	Housing

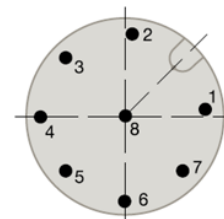
Pin Layout

Cable Diagram

Pin Layout



L = 1, 3, 6, 9 meters without armour



Front view

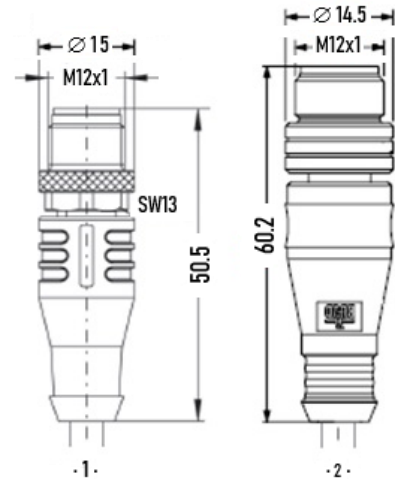
Lead-in Connector

Cable Specification

Supplier #1	
Construction	4 x 2 x 0.15 mm ²
Material	Polyurethane
Ø without armour	5.8 mm
Bend radius dynamic	≥ 58 mm
Bend radius static	≥ 29 mm
Shield	Single
Terminating connector	M12 8 pole male
Supplier #2	
Construction	4 x 2 x 0.15 mm ²
Material	Polyurethane
Ø without armour	6.6 mm
Bend radius dynamic	≥ 66 mm
Bend radius static	≥ 33 mm
Shield	Single
Terminating connector	M12 8 pole male

Terminating Connector

Housing dimensions slightly differ for manufacturers



Order Information

EC-(x)PA-M1-N Where (x) = 1, 3, 6 or 9 meters WITHOUT armour.

Example

Order Code	Description
EC-6PA-M1-N	Encoder cable of 6 meters, cable type "P" specifications as above and terminating connector M12 8 pole male, without armour.