

Encoder Cable. EC-...A-C1



- Encoder cable for incremental linear or angular encoders with 1 Vpp or TTL differential signal output.
- Encoder cable EC-...A-C1 for XC-C2-... extension cables.
- Twisted pairs for differential signals.
- Available in 1, 3, 6, 9 & 12 meter lengths.
- Available with or without armour.
- Supply voltage sense link.

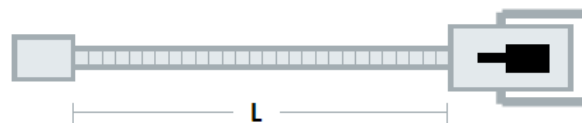
Pin Out

Pin Input	Colour	Signal	Pin Output
	Red	/B	1
	Black (link to pin 12)	+5 V sense	2
	Grey	lo	3
	Pink	/lo	4
	Green	A	5
	Yellow	/A	6
	Violet	/AI	7
	Blue	B	8
	White	0 V	10
	Black (link to pin 10)	0 V sense	11
	Brown	+5 V	12
	Shield	Ground	Housing

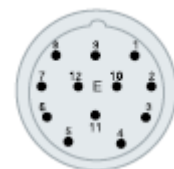
Pin Layout

Cable Diagram

Pin Layout



L = 1, 3, 6, 9, 12 meters



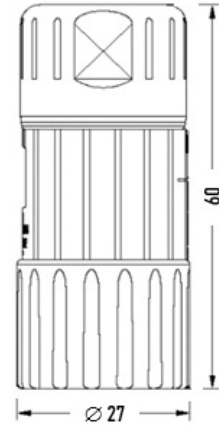
Front view

Lead-in Connector

Cable Specification

Terminating Connector

Construction	5 x 2 x 0.14 mm ²
Material	Polyurethane
Ø without armour	6 mm
Bend radius dynamic	≥ 60 mm
Bend radius static	≥ 24 mm
Shield	Single
Terminating connector	M23 12 pin male, external female, contact arrangement direction E



Order Information

EC-(x)A-C1 Where (x) = 1, 3, 6, 9 or 12 meters; with armour, indicate "-N" for no armour.

Example

Order Code	Description
EC-3A-C1	Encoder cable of 3 meters, cable type "A" specifications as above and terminating connector M23 12 pin male, external female, contact arrangement E, with armour.
EC-6A-C1-N	Encoder cable of 6 meters, cable type "A" specifications as above and terminating connector M23 12 pin male, external female, contact arrangement E, without armour.