

Encoder Cable. EC-...AS-O



- Encoder cable for incremental linear or angular encoders with 1 Vpp or differential TTL signal output.
- Encoder cable EC-...AS-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, 4.5, 6, 9, 12 & 15 meter lengths for armoured models and 1, 3, 6, 9, 12, 15 & 20 meter lengths for unarmoured models.
- Available with or without armour.
- Supply voltage sense link.

Pin Out

Pin Input	Colour	Signal	Pin Output
	Grey	Io	
	Pink	/Io	
	Brown	+5 V	
	Violet	+5 V sense	
	Blue	B	
	Red	/B	
	White	0 V	
	Black	0 V sense	
	Green	A	
	Yellow	/A	
	Shield	Ground	

Pin Layout

Cable Diagram

Pin Layout



L = 1, 3, 4.5, 6, 9, 12, 15 meters armoured
L = 1, 3, 6, 9, 12, 15, 20 meters unarmoured



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
Ø with armour	10 mm
Bend radius dynamic	≥ 60 mm
Bend radius static	≥ 35 mm
Shield	Single
Terminating connector	No

Order Information

EC-(x)AS-O	Where (x) = 1, 3, 4.5, 6, 9, 12 or 15 meters with armour; (x) = 1, 3, 6, 9, 12, 15 or 20 meters without armour; indicate "-N" for no armour.
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Example

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