

## Encoder Cable. EC-...B-O



- Encoder cable for absolute linear or angular encoders with digital protocol interface including models (SSI or BiSS) with also 1 Vpp analog signals.
- Encoder cable EC-...B-O without terminating connector for easier routing of the cable, connecting to third party extension cables or drives.
- Twisted pairs for differential signals.
- Dual shield on four wires.
- Available in 1, 3, 6 & 9 meter lengths.
- Available with or without armour.
- Supply voltage sense link.

### Pin Out

Pin Input	Colour	Signal	Pin Output
	Green	A	
	Yellow	/A	
	Blue	B	
	Red	/B	
	Grey	DATA	
	Pink	/DATA	
	Black	CLOCK	
	Violet	/CLOCK	
	Brown	+5 V	
	Red-Blue (or Light Green)	+5 V sense	
	White	0 V	
	Grey-Pink (or Orange)	0 V sense	
	Internal Shield	Ground	
	External Shield	Ground	

### Pin Layout

### Cable Diagram

### Pin Layout



L = 1, 3, 6, 9 meters

## Lead-in Connector

## Cable Specification

## Terminating Connector

<b>Construction</b>	4 x 0.09 mm <sup>2</sup> + 4 x 0.09 mm <sup>2</sup> + 4 x 0.14 mm <sup>2</sup>
<b>Material</b>	Polyurethane
<b>Ø without armour</b>	6 mm
<b>Bend radius dynamic</b>	≥ 60 mm
<b>Bend radius static</b>	≥ 24 mm
<b>Ø with armour</b>	10 mm
<b>Bend radius dynamic</b>	≥ 60 mm
<b>Bend radius static</b>	≥ 35 mm
<b>Shield</b>	Single plus dual for 4 wires
<b>Terminating connector</b>	No

## Order Information

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

## Example

Order Code	Description
EC-3B-O	Encoder cable of 3 meters, cable type "B" specifications as above and without terminating connector. With armour.
EC-6B-O-N	Encoder cable of 6 meters, cable type "B" specifications as above and without terminating connector. Without armour.