

Encoder Cable. EC-...B-O-F



- 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-F without terminating connector for easier routing of the cable, connecting to third party extension cables or drives.
- Dual shield of the analog signals (for SSI and BiSS models with also 1 Vpp analog signals).
- Available in 1, 3, 6 & 9 meter lengths.
- Available with or without armour.
- With ferrite core for improved noise immunity.

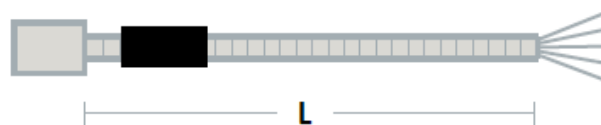
Pin Out

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	+5 V sense	
	White	0 V	
	Grey-Pink	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

Construction	4 x 0.09 mm ² + 4 x 0.09 mm ² + 4 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 plus dual for 4 wires
Terminating connector	No

Order Information

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

Example

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