

## Encoder Cable. EC-...CA-O-F



- Encoder cable for absolute linear or angular encoders with fully digital protocol interface (no analog signals).
- Encoder cable EC-...CA-O-F without terminating connector for easier routing of the cable, connecting to third party extension cables or drives.
- Twisted pairs for differential signals.
- Dual shield.
- Available in 1, 3, 6 & 9 meter lengths.
- Available with or without armour.
- Supply voltage sense link.
- With ferrite core for improved noise immunity.

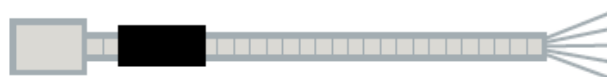
### Pin Out

Pin Input	Colour	Signal	Pin Output
	Grey	+5 V sense	
	Pink	0 V sense	
	Brown	+5 V	
	Blue	CLOCK	
	Red	/CLOCK	
	White	0 V	
	Green	DATA	
	Yellow	/DATA	
	Internal Shield	Ground	
	External Shield	Ground	

### Pin Layout

### Cable Diagram

### Pin Layout



L = 1, 3, 6, 9 meters



## Lead-in Connector

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## Cable Specification

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<b>Construction</b>	2 x 2 x 0.09 mm <sup>2</sup> + 2 x 2 x 0.14 mm <sup>2</sup>
<b>Material</b>	Polyurethane
<b>Ø without armour</b>	6.2 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>	Dual
<b>Terminating connector</b>	No

## Terminating Connector

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## Order Information

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EC-(x)CA-O-F      Where (x) = 1, 3, 6 or 9 meters. Indicate "-N" for no armour.

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## Example

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