

## Encoder Cable. EC-...CA-C9-F



- Encoder cable for absolute linear or angular encoders with fully digital protocol interface (no analog signals).
- Encoder cable EC-...CA-C9-F for XC-C8-... extension cables.
- Twisted pairs for differential signals.
- Dual shield.
- Available in 1 & 3 meter lengths.
- Available with or without armour.
- Supply voltage sense link.
- With ferrite core for improved noise immunity.

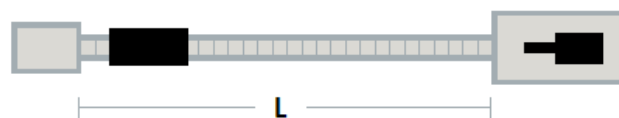
### Pin Out

Pin Input	Colour	Signal	Pin Output
	Grey	+5 V sense	1
	Pink	0 V sense	4
	Brown	+5 V	7
	Blue	CLOCK	8
	Red	/CLOCK	9
	White	0 V	10
	Green	DATA	14
	Yellow	/DATA	17
	Internal Shield	Ground	11
	External Shield	Ground	Housing

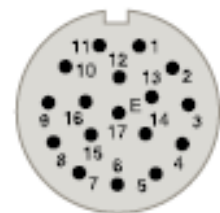
### Pin Layout

### Cable Diagram

### Pin Layout



L = 1, 3 meters



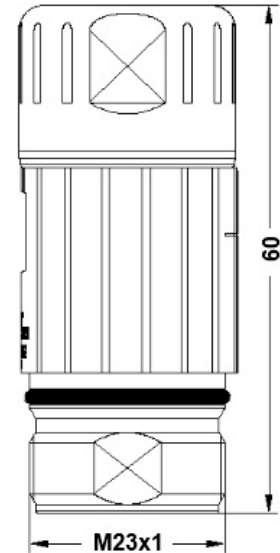
Front view

## Lead-in Connector

## Cable Specification

## Terminating Connector

<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>	M23 17 pin male, external male, contact arrangement direction E.



## Order Information

EC-(x)CA-C9-F      Where (x) = 1 or 3 meters with armour; indicate "-N" for no armour.

## Example

Order Code	Description
EC-3CA-C9-F	Encoder cable of 3 meters, cable type "C" specifications as above and terminating connector M23 17 pin male, external male, contact arrangement E. With armour and ferrite core.
EC-1CA-C9-N-F	Encoder cable of 1 meter, cable type "C" specifications as above and terminating connector M23 17 pin male, external male, contact arrangement E. Without armour and with ferrite core.