

## Encoder Cable. EC-...A-C5



- Encoder cable for incremental linear or angular encoders with 1 Vpp or TTL differential signal output.
- Encoder cable EC-...A-C5 for XC-C4-... extension cables.
- Direct connection for linear or angular encoders with 1 Vpp signal output to Siemens SME20 module.
- Twisted pairs for differential signals.
- Available in 1, 3, 6, 9 & 12 meter lengths.
- Available with or without armour.
- Supply voltage sense link.

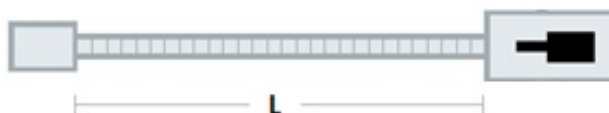
### Pin Out

Pin Input	Colour	Signal	Pin Output
	Red	/B	1
	Black (link to pin 12)	+5 V sense	2
	Grey	Io	3
	Pink	/Io	4
	Green	A	5
	Yellow	/A	6
	Violet	/AI	7
	Blue	B	8
	White	0 V	10
	Black (link to pin 10)	0 V sense	11
	Brown	+5 V	12
	Shield	Ground	Housing

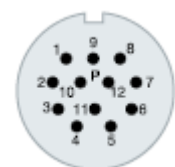
### Pin Layout

### Cable Diagram

### Pin Layout



L = 1, 3, 6, 9, 12 meters



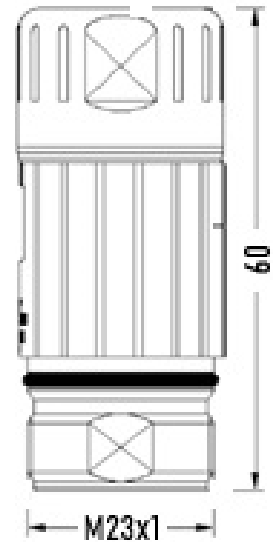
Front view

## Lead-in Connector

## Cable Specification

## Terminating Connector

<b>Construction</b>	5 x 2 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>	≥ 35 mm
<b>Ø with armour</b>	10 mm
<b>Bend radius dynamic</b>	≥ 60 mm
<b>Bend radius static</b>	≥ 24 mm
<b>Shield</b>	Single
<b>Terminating connector</b>	M23 12 pin male, external male, contact arrangement direction P



## Order Information

EC-(x)A-C5      Where (x) = 1, 3, 6, 9 or 12 meters; with armour, indicate "-N" for no armour.

## Example

Order Code	Description
EC-1A-C5	Encoder cable of 1 meter, cable type "A" specifications as above and terminating connector M23 12 pin male, external male, contact arrangement direction P. With armour.
EC-3A-C5-N	Encoder cable of 3 meters, cable type "A" specifications as above and terminating connector M23 12 pin male, external male, contact arrangement direction P. Without armour.