

## Encoder Cable. EC-...P-S3



- Encoder cable for incremental linear or angular encoders with 1 Vpp signal output.
- Direct connection to Siemens SMC20 module.
- Twisted pairs for differential signals.
- Available in 1, 3, 4, 6, 9 & 12 meter lengths with armour and 1, 3, 6, 9 & 12 meters length without armour.
- Available with or without armour.

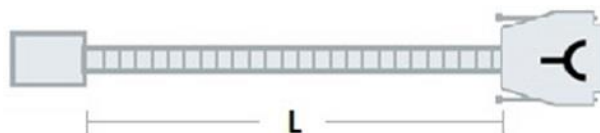
### Pin Out

Pin Input	Colour	Signal	Pin Output
	Green	A	3
	Yellow	/A	4
	Blue	B	6
	Red	/B	7
	Grey	Io	17
	Pink	/Io	18
	Brown	+5 V	1
	Linked to 1	+5 V sense	14
	White	0 V	2
	Linked to 2	0 V sense	16
	Shield	Ground	Housing

### Pin Layout

### Cable Diagram

### Pin Layout



Front view

L = 1, 3, 4, 6, 9, 12 meters, with armour  
L = 1, 3, 6, 9, 12 meters, without armour

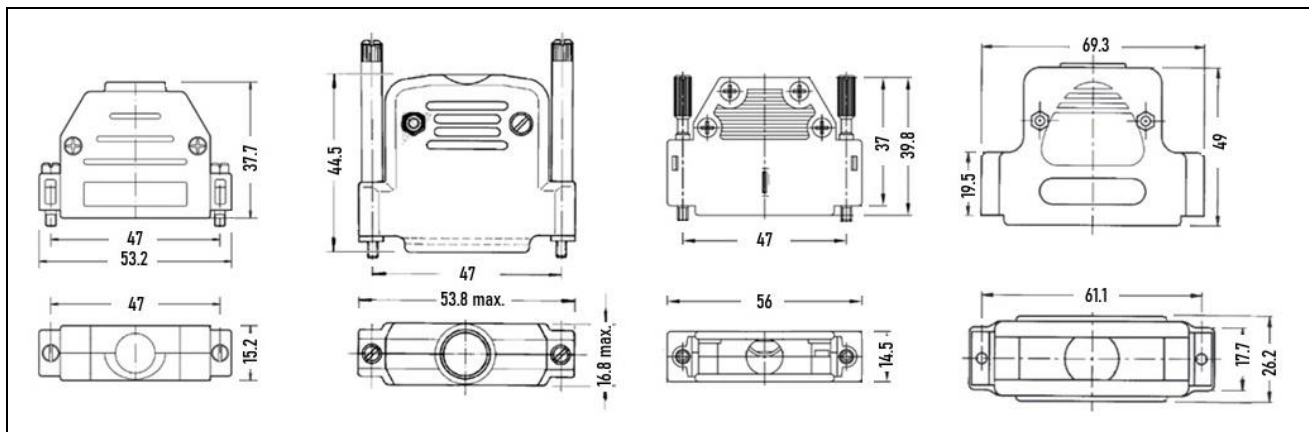
## Lead-in Connector

## Cable Specification

## Terminating Connector

<b>Construction</b>	4 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>	≥ 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
<b>Terminating connector</b>	D-Sub 15 pole female

Housing dimensions slightly differ for manufacturers



## Order Information

EC-(x)P-S3 Where (x) = 1, 3, 4, 6, 9 or 12 meter lengths with armour and 1, 3, 6, 9 or 12 meter lengths without armour. Indicate "-N" for no armour.

## Example

Order Code	Description
EC-3P-S3	Encoder cable of 3 meters, cable type "P" specifications as above and terminating connector D-Sub 25 pole female, with armour.
EC-3P-S3-N	Encoder cable of 3 meters, cable type "P" specifications as above and terminating connector D-Sub 25 pole female, without armour