

Encoder Cable. EC-...P-H2



- Encoder cable for incremental linear or angular encoders with 1 Vpp or differential TTL signal output.
- Direct connection to Yaskawa systems.
- 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
	Green	A	1
	Yellow	/A	9
	Blue	B	3
	Red	/B	11
	Grey	lo	14
	Pink	/lo	7
	Brown	+5 V	4
	White	0 V	2
	Linked to pin 4	+5 V sense	12
	Linked to pin 2	0 V sense	10
	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

Construction 4 x 2 x 0.14 mm²

Material Polyurethane

Ø without armour 6 mm

Bend radius dynamic ≥ 60 mm

Bend radius static ≥ 24 mm

Ø with armour 10 mm

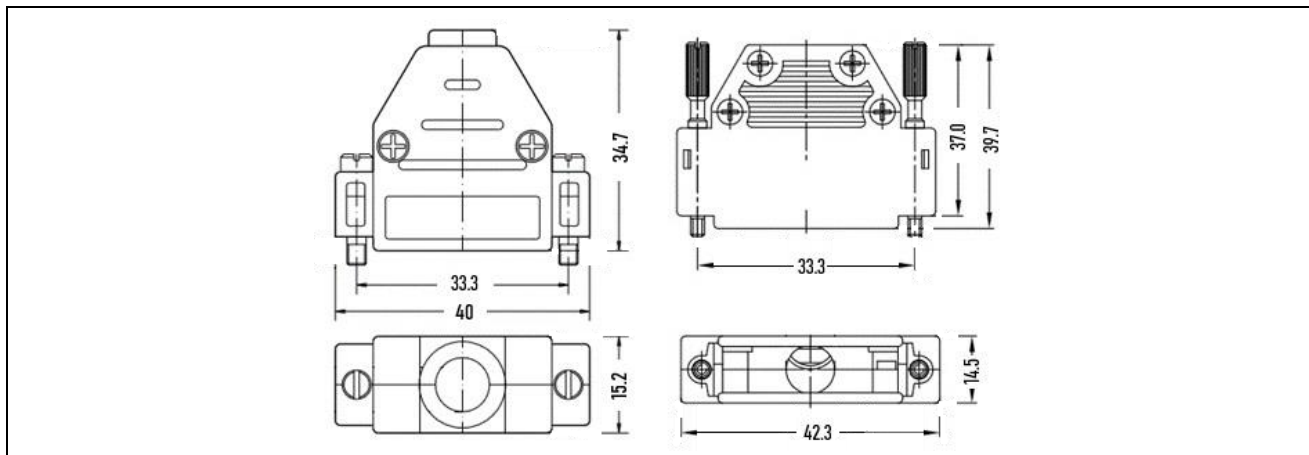
Bend radius dynamic ≥ 60 mm

Bend radius static ≥ 35 mm

Shield Single

Terminating connector D-Sub 15 pole male

Housing dimensions slightly differ for manufacturers



Order Information

EC-(x)P-H2 Where (x) = 1, 3, 6, 9 or 12 meters. Indicate "-N" for no armour.

Example

Order Code	Description
EC-3P-H2	Encoder cable of 3 meters, cable type "P" specifications as above and terminating connector D-Sub 15 pole male, with armour.
EC-6P-H2-N	Encoder cable of 6 meters, cable type "P" specifications as above and terminating connector D-Sub 15 pole male, without armour.