

Encoder Cable. EC-...C-C



- Encoder cable for incremental linear or angular encoders 11 μ A signal output.
- Direct connection to Heidenhain DRO.
- Twisted pairs for differential signals.
- Dual shield.
- Available in 1, 3, 6, 9 & 12 meter lengths.
- Available with or without armour.

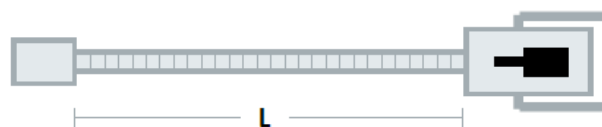
Pin Out

Pin Input	Colour	Signal	Pin Output
	Green	A	1
	Yellow	/A	2
	Blue	B	5
	Red	/B	6
	Grey	Io	7
	Pink	/Io	8
	Brown	+5 V	3
	White	0 V	4
	Internal Shield	Ground	9
	External Shield	Ground	Housing

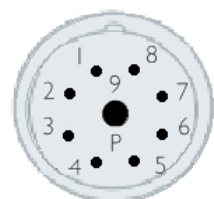
Pin Layout

Cable Diagram

Pin Layout



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



Front view

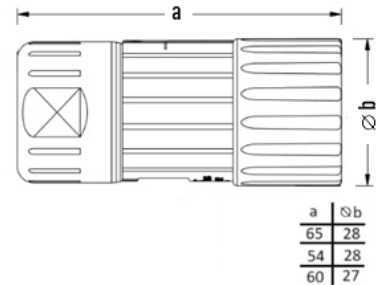
Lead-in Connector

Cable Specification

Construction	2 x 2 x 0.09 mm ² + 2 x 2 x 0.14 mm ²
Material	Polyurethane
Ø without armour	6.2 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	Dual
Terminating connector	M23 9-pin male, external female, contact arrangement direction P

Terminating Connector

Housing dimensions slightly differ for manufacturers



Order Information

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

Example

Order Code	Description
EC-3C-C	Encoder cable of 3 meters, cable type "C" specifications as above and terminating connector M23 9-pin male, external female, contact arrangement direction P. With armour.
EC-1C-C-N	Encoder cable of 1 meter, cable type "C" specifications as above and terminating connector M23 9-pin male, external female, contact arrangement direction P. Without armour.