

## Encoder Cable. EC-...AM-MB



- Encoder cable for absolute linear or angular encoders with Mitsubishi full duplex digital protocol interface.
- Direct connection through full duplex protocol version to Mitsubishi MDS drive systems.
- Twisted pairs for differential signals.
- Available in 1, 3, 6 & 9 meter lengths.
- Available with or without armour.
- Supply voltage sense link.
- With ferrite core for improved noise immunity.

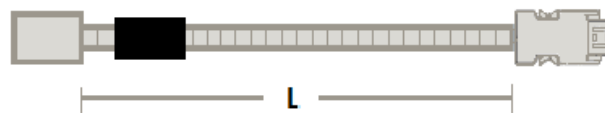
### Pin Out

Pin Input	Colour	Signal	Pin Output
	Green	SD (MD)	7
	Yellow	/SD (MD)	8
	Grey	RQ (MR)	3
	Pink	/RQ (MR)	4
	Brown + Purple	+5 V	1
	White + Black + Blue	+0 V	2
	Shield	Ground	Housing

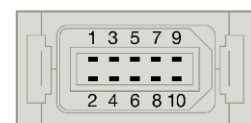
### Pin Layout

### Cable Diagram

### Pin Layout



L = 1, 3, 6, 9 meters



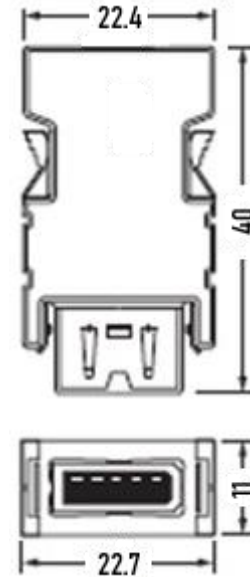
Front view

## Lead-in Connector

## Cable Specification

<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>	≥ 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>	MITSUBISHI 10 way

## Terminating Connector



## Order Information

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

## Example

Order Code	Description
EC-3AM-MB	Encoder cable of 3 meters, cable type "A" specifications as above and terminating connector MITSUBISHI 10 way for full duplex communication. With armour and ferrite core.
EC-1AM-MB-N	Encoder cable of 1 meter, cable type "A" specifications as above and terminating connector MITSUBISHI 10 way for full duplex communication. Without armour and with ferrite core.