

## Encoder Cable. EC-...CAM-MB-F



- 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.
- Dual shield.
- Available in 1, 3, 6 & 9 meter lengths for armoured models and 1, 2.2, 2.5, 3, 6, 7.3 & 9 meter lengths for unarmoured models.
- Available with or without armour.
- Supply voltage sense link.
- With ferrite core for improved noise immunity.

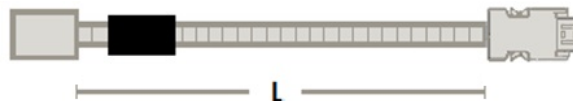
### Pin Out

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

### Pin Layout

### Cable Diagram

### Pin Layout



L = 1, 3, 6, 9 meters, armoured  
L = 1, 2.2, 2.5, 3, 6, 7.3, 9 meters, unarmoured

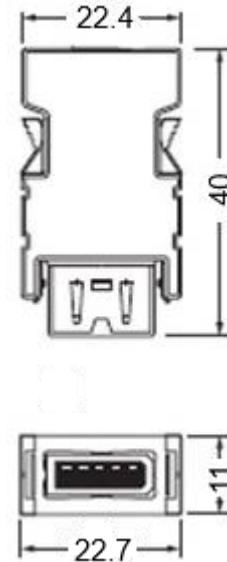
Front view

## Lead-in Connector

## Cable Specification

<b>Construction</b>	2 x 2 x 0.09 mm <sup>2</sup> + 2 x 2 x 0.14 mm <sup>2</sup>
<b>Material</b>	Polyurethane
<b>Ø without armour</b>	6.2 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>	Dual
<b>Terminating connector</b>	MITSUBISHI 10 way

## Terminating Connector



## Order Information

EC-(x)CAM-MB-F      Where (x) = 1, 3, 6, 9 or 10 meters with armour; (x) = 1, 2.2, 2.5, 3, 6, 7.3 & 9 meters without armour, indicate "-N" for no armour.

## Example

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