

## Extension Cable: XC-C8-...-MB



- Extension cable for absolute linear or angular encoders with Mitsubishi full digital protocol interface.
- Extension cable XC-C8-MB connects through full duplex protocol version:
  - encoder cables EC-...C9-F.
  - angular encoder H2AM...D87...C9D-F.
 to Mitsubishi MDS drive systems.
- Twisted pairs for differential signals.
- Available in 5, 10, 15, 20 & 25 meter lengths.
- Low power attenuation and supply voltage sense link.

### Pin Out

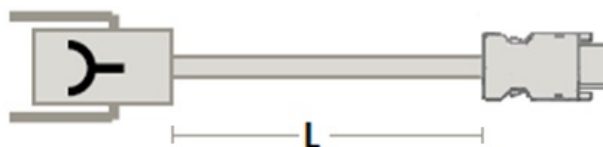
Pin Input	Colour	Signal	Pin Output
1	Blue	+5 V sense	1
4	White	0 V sense	2
7	Brown-Green	+5 V	1
8	Violet	SD (MD)	7
9	Yellow	/SD (MD)	8
10	Red	0 V	2
12	Black	0 V	2
14	Grey	RQ (MR)	3
17	Pink	/RQ (MR)	4
Housing	Shield	Ground	Housing

### Pin Layout



Front view

### Cable Diagram



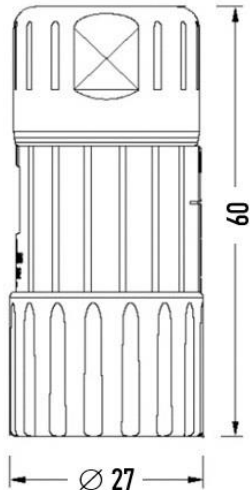
L = 5, 10, 15, 20, 25 meters

### Pin Layout



Front view

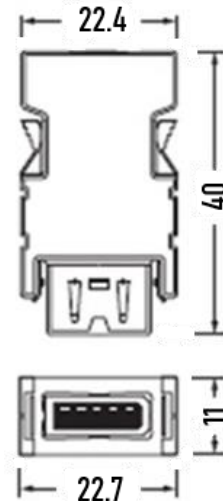
## Lead-in Connector



## Cable Specification

<b>Construction</b>	4 x 2 x 0.14 mm <sup>2</sup> + 4 x 0.5 mm <sup>2</sup>
<b>Material</b>	Polyurethane
<b>Ø</b>	8 mm
<b>Bend radius dynamic</b>	≥ 80 mm
<b>Bend radius static</b>	≥ 50 mm
<b>Shield</b>	Single
<b>Lead-in connector (encoder side)</b>	M23 17-pin female, external female, contact arrangement direction P
<b>Terminating connector</b>	MITSUBISHI 10 way

## Terminating Connector



## Order Information

XC-C8-(x)-MB      Where (x) = 5, 10, 15, 20 or 25 meters.

## Example

Order Code	Description
XC-C8-10-MB	Extension cable of 10 meters, specifications as above, lead-in connector M23 17-pin female, external female, contact arrangement direction P. Terminating connector MITSUBISHI 10 way.