

Extension Cable. XC-C2-...-C1

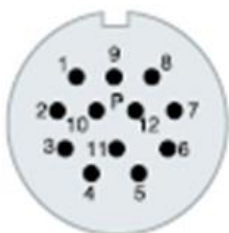


- Intermediate extension cable for incremental linear or angular encoders with 1 Vpp or TTL differential signal output.
- Extension cable XC-C2-C1 connects:
 - encoder cable EC-...C1.
 - incremental exposed L2...C1.
 - autoguided incremental encoder PB...C1.
- Twisted pairs for differential signals.
- Available in 5, 10, 15, 20, 25, 30 & 40 meter lengths.
- Low power attenuation and supply voltage sense link.

Pin Out

| Pin Input | Colour | Signal | Pin Output |
|-----------|-------------|------------|------------|
| 1 | Pink | /B | 1 |
| 2 | Blue | +5 V sense | 2 |
| 3 | Red | Io | 3 |
| 4 | Black | /Io | 4 |
| 5 | Brown | A | 5 |
| 6 | Green | /A | 6 |
| 7 | Violet | /AI (L2) | 7 |
| 8 | Grey | B | 8 |
| 9 | Yellow | (L1) | 9 |
| 10 | White-Green | 0 V | 10 |
| 11 | White | 0 V sense | 11 |
| 12 | Brown-Green | +5 V | 12 |
| Housing | Shield | Ground | Housing |

Pin Layout



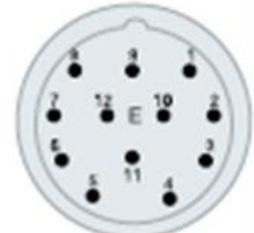
Front view

Cable Diagram



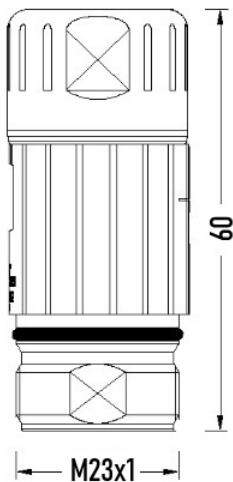
L = 5, 10, 15, 20, 25, 30, 40 meters

Pin Layout



Front view

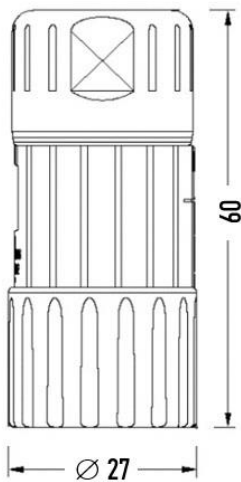
Lead-in Connector



Cable Specification

| | |
|--|---|
| Construction | 4 x 2 x 0.14 mm ² + 4 x 0.5 mm ² |
| Material | Polyurethane |
| Ø | 8 mm |
| Bend radius dynamic | ≥ 80 mm |
| Bend radius static | ≥ 50 mm |
| Shield | Single |
| Lead-in connector (encoder side) | M23 12-pin female, external male, contact arrangement direction P |
| Terminating connector | M23 12-pin male, external female, contact arrangement direction E |

Terminating Connector



Order Information

XC-C2-(x)-C1 Where (x) = 5, 10, 15, 20, 25, 30 or 40 meters.

Example

| Order Code | Description |
|-------------|--|
| XC-C2-10-C1 | Extension cable of 10 meters, specifications as above, lead-in connector M23 12-pin female, external male, contact arrangement direction P. Terminating connector M23 12-pin male, external female, contact arrangement direction E. |