



# M12 Cable Set Series

## Cables for sensors with M12 round connection



- 4 pole M12 connector to IEC61076-2-101
- IP67 protection IEC 60529 (a3)
- Anti-vibration system
- Head temperature range -40 90°C, with good resistance to oils
- Choice of PVC or PUR/PVC cable insulation

### Technical Specification

|                                  |                              |
|----------------------------------|------------------------------|
| Protection degree IEC 60529 (a3) | IP67                         |
| Head temperature range °C        | -40 to 90                    |
| Cable temperature range °C       | PVC -25 to 90 PUR -25 to 80  |
| Housing oil resistance           | very good                    |
| Housing material                 | TPU (polyurethane)           |
| Contact material                 | Gold over nickel plated CuZn |
| Locking nut material             | Nickel plated Brass          |
| Conductor size                   | 4/0.34 mm <sup>2</sup>       |

### Electrical Specification

|                       |   |      |
|-----------------------|---|------|
| Voltage AC Max        | V | 250  |
| Voltage DC Max        | V | 250  |
| Current Max @40°C     | A | 4    |
| Voltage drop @1A x 1M | V | 0.13 |

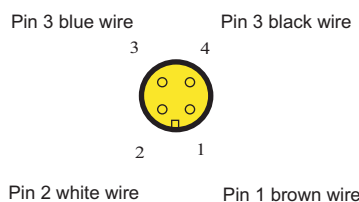
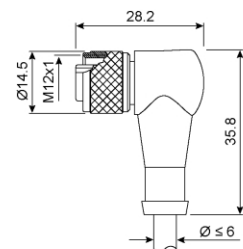
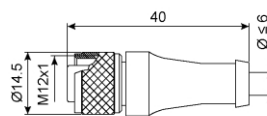
The LC cable series can be used with sensors that have M12 round connectors (IEC61076-2-101).

These are supplied as standard with choice of PVC or PUR/PVC sheath insulated cables in lengths of 2, 5 and 10 metres and with either straight or elbow connector bodies.

| Standard Parts | Cable sheath | Wire insulation | Wire construction | Body type |
|----------------|--------------|-----------------|-------------------|-----------|
| LC02FBS-PVC    | PVC          | PVC             | 4/0.34            | Straight  |
| LC05FBS-PVC    | PVC          | PVC             | 4/0.34            | Straight  |
| LC10FBS-PVC    | PVC          | PVC             | 4/0.34            | Straight  |
| LC02FBS-PUR    | PUR          | PVC             | 4/0.34            | Straight  |
| LC05FBS-PUR    | PUR          | PVC             | 4/0.34            | Straight  |
| LC10FBS-PUR    | PUR          | PVC             | 4/0.34            | Straight  |
| LC02FBR-PVC    | PVC          | PVC             | 4/0.34            | Elbow     |
| LC05FBR-PVC    | PVC          | PVC             | 4/0.34            | Elbow     |
| LC10FBR-PVC    | PVC          | PVC             | 4/0.34            | Elbow     |
| LC02FBR-PUR    | PUR          | PVC             | 4/0.34            | Elbow     |
| LC05FBR-PUR    | PUR          | PVC             | 4/0.34            | Elbow     |
| LC10FBR-PUR    | PUR          | PVC             | 4/0.34            | Elbow     |

Custom versions can be made for particular applications. Please contact Cynergy3 with your requirements.

### Mechanical Dimensions



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