

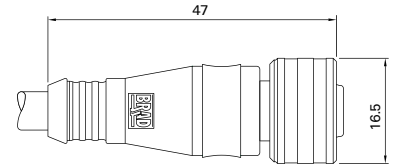
# ULTRA-LOCK™ CORDSETS

Ultra-Lock single-keyway M12 cordsets are available with three cable types and manufactured to optimize performance for your application.

- PVC – for most standard applications.
- PUR – for oil and coolant environments.
- TPE – for welding areas and applications requiring repeated cable flexing.

Ultra-Lock cordsets are offered in single- or double-ended configurations. They come with Ultra-Lock connectors on the distribution box end and Ultra-Lock or threaded connectors on the device end. Using threaded connector ends allows immediate use of the Ultra-Lock system with existing threaded devices.

## Dimensions (mm)



**Mates with Ultra-Lock Compatible Sensors and Receptacles**

## TECHNICAL DATA

### Mechanical

Connector Body	PUR
Contact Carrier	PUR
Locking Mechanism	Nickel Plated Brass
Contact	Male: Brass Female: Phosphor Bronze
Contact Plating	Gold over Nickel
O-Ring	Viton
Durability	30,000 Mate/Demate

### Electrical

Rated Voltage (IEC 60 664-1)	3 & 4-Pole: 250V 5-Pole: 60V
Insulation Resistance (IEC 60 512-2)	>10 <sup>9</sup> Ω
Rated Current T amb. 40C (IEC 60 512-3)	4 A
Contact Resistance (IEC 60 512-2)	<5mΩ

### Environmental

Pollution Degree (IEC 60 664-1)	3
Protection (IEC 60 529)	IP 67/68/69K
Operating Temperature	-25°C / 90°C

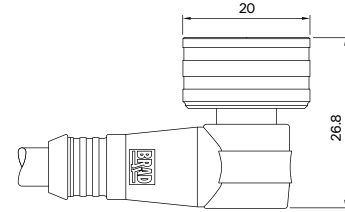
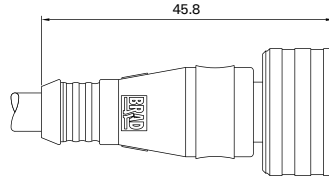
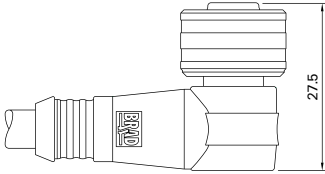
### Certification

CSA & UL



Designed For Performance And Reliability

# M12



**Mates with Ultra-Lock™ Compatible Sensors and Receptacles**



**Mates with Ultra-Lock Distribution Boxes and Receptacles**



**Mates with Ultra-Lock Distribution Boxes and Receptacles**

## ORDERING INFORMATION

Example: W03000A09M020 = Ultra-Lock single-ended cordset, 3-pole, female straight, PVC cable, 2 meters in length.

**W 0 3 0 0 0 A 0 9 M 0 2 0**

### Connector Type

#### 1st Character

- W** M12 Ultra-Lock connector
- 8** M12 threaded connector

#### 2nd Character

- 0** Single-ended cordset
- W** Double-ended cordset, M12 Ultra-Lock connector
- 8** Double-ended cordset, M12 threaded connector

### Number of Poles

- 3** 3-pole
- 4** 4-pole
- 5** 5-pole

### Unit of Measure

**M** Meters

### Configuration

#### Single-Ended Cordset

- 000** Female straight
- 001** Female 90°
- 006** Male straight
- 007** Male 90°
- 0N1** Female LED NPN 90°
- 0P1** Female LED PNP 90°

#### Double-Ended Cordset

- 030** Female straight / Male straight
- 031** Female 90° / Male straight
- 032** Female straight / Male 90°
- 033** Female 90° / Male 90°

### Cable Length

#### Single-Ended

- 020** 2 meter
- 040** 4 meter
- 050** 5 meter
- 060** 6 meter
- 100** 10 meter

#### Double-Ended

- 003** 0.3 meter
- 006** 0.6 meter
- 010** 1 meter
- 020** 2 meter
- 030** 3 meter
- 040** 4 meter
- 050** 5 meter

*Other lengths available upon request.*

### Cable Type

- A09** PVC 0.34mm<sup>2</sup> (22AWG) Yellow
- B03** PUR 0.34mm<sup>2</sup> (22AWG) Black
- K05** TPE 0.34mm<sup>2</sup> (22AWG) Yellow