

# Brad® Ultra-Lock® (M12) Single-Ended Cordsets (Europe)

120079

Female, Pigtail  
Straight, Right Angle



## Features and Benefits

- Push-to-lock technology assures fast, reliable connections every time
- Reliable performance in high vibration environment due to positive locking mechanism
- Ideal for wash-down and temporary submersion applications due to improved sealing design
- Ergonomic push to lock mechanisms reduces fatigue and user errors when a high number of connections need to be made
- 3, 4, and 5 pole versions are intermatable for added flexibility
- IP67/68/69K rated for harsh environments
- Wide selection of cables to fit applications
  - PVC cables for light, cost sensitive industrial applications
  - PUR cables for moderate flexing and for environments encountering cutting fluids and oils
  - TPE cables for moderate flex applications. Also ideal for welding cells, cable is weld slag resistant

## Reference Information

CSA File No.: LR6837 (3, 4, and 5-pole assemblies)

## Physical

Connector Body: PUR (TPE for K05)

Contact Carries: Polyamide

O-Ring: Viton (EPDM for E03 cables)

Coupling Nut: Nickel-plated Brass (Teflon coated for K05)

Contacts: Copper alloy with Gold over Nickel plating

Cables: E03—Black PVC jacket, 0.34mm<sup>2</sup> PVC conductors, 300V, 80°C, UL AWM 2464

P03/P02—Black PUR/PVC jacket, 0.34mm<sup>2</sup> (P03) or 0.25mm<sup>2</sup> (P02) PVC conductors, 300V, 80°C

H09/H08—Black PUR jacket, 0.34mm<sup>2</sup> (H09) or 0.25mm<sup>2</sup> (H08) PVC conductors, 300V, 80°C, Low Smoke/Zero Halogen (LSOH), UL AWM 21198

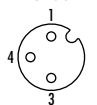
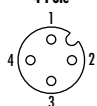
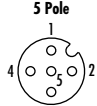
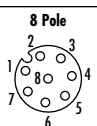
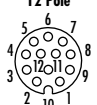
K05—Yellow TPE jacket, 22 AWG PVC conductors, 300V, UL PLTC-ER, +10M flex life (torsion and bending)

H45—Black PUR jacket, 26 AWG PVC conductors, 300V, 80°C UL AWM 20549

## Environmental

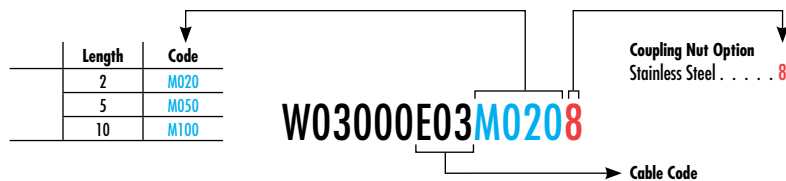
Protection: IP67/IP68/IP69K

NEMA Rating: NEMA 6

| Poles   | Max. Current per Contact | Max. Voltage      | Cable Type     | Cable Jacket  | Wire Size           | Length | Female Straight |                    | Female Right Angle |                    |
|---|--------------------------|-------------------|----------------|---------------|---------------------|--------|-----------------|--------------------|--------------------|--------------------|
|   |                          |                   |                |               |                     |        | Engineering No. | Standard Order No. | Engineering No.    | Standard Order No. |
|   | 4.0A                     | 250V AC/DC        | UL 2464        | PVC (E03)     | 0.34mm <sup>2</sup> | 2.0m   | W03000E03M020   | 120079-5102        | W03001E03M020      | 120079-5048        |
|   |                          |                   |                | PUR/PVC (P03) |                     |        | W03000P03M020   | 120079-5103        | W03001P03M020      | 120079-5104        |
|   |                          |                   | LSOH, UL 21198 | PUR (H09)     |                     |        | W03000H09M020   | 120079-8042        | W03001H09M020      | 120079-8047        |
|   |                          |                   |                | PLTC-ER       |                     |        | TPE (K05)       | W03000K05M020      | 120079-0130        | W03001K05M020      |
|  | 4.0A                     | 250V AC/DC        | UL 2464        | PVC (E03)     | 0.34mm <sup>2</sup> | 2.0m   | W04000E03M020   | 120079-0266        | W04001E03M020      | 120079-0269        |
|   |                          |                   |                | PUR/PVC (P03) |                     |        | W04000P03M020   | 120079-8012        | W04001P03M020      | 120079-8013        |
|   |                          |                   | LSOH, UL 21198 | PUR (H09)     |                     |        | W04000H09M020   | 120079-8054        | W04001H09M020      | 120079-8051        |
|   |                          |                   |                | PLTC-ER       |                     |        | TPE (K05)       | W04000K05M020      | 120079-0149        | W04001K05M020      |
|  | 4.0A                     | 250V AC/DC        | UL 2464        | PVC (E03)     | 0.34mm <sup>2</sup> | 2.0m   | W05000E03M020   | 120079-0277        | W05001E03M020      | 120079-0281        |
|   |                          |                   |                | PUR/PVC (P03) |                     |        | W05000P03M020   | 120079-5110        | W05001P03M020      | 120079-5088        |
|   |                          |                   | LSOH, UL 21198 | PUR (H09)     |                     |        | W05000H09M020   | 120079-8045        | W05001H09M020      | 120079-8048        |
|  | 2.0A                     | 30V AC/<br>36V DC |                | PUR/PVC (P02) | 0.25mm <sup>2</sup> | 2.0m   | W08000P02M020   | 120079-5113        | W08001P02M020      | 120079-5114        |
|   |                          |                   | LSOH, UL 21198 | PUR (H08)     |                     |        | W08000H08M020   | 120079-5023        | W08001H08M020      | 120079-8043        |
|  | 1.5A                     | 30V AC/DC         | UL 20549       | PUR (H45)     | 26 AWG              | 2.0m   | W0C000H45M020   | 120079-5001        | W0C001H45M020      | 120079-5117        |

Note: Sales drawings for all standard order numbers are available on molex.com

Configuration Code\*  
Build-a-Part Number



\*Once an engineering number is created using the configuration code, consult Molex tech support for information regarding any part numbers.