

# Brad® Micro-Change® (M12) A-Code Double-Ended Cordsets (US)

120066

## Female Straight-to-Male Right Angle, Female Right Angle-to-Male Right Angle



### Features and Benefits

- M12 Single Keyway (A-Coding) IEC compliant cordset assemblies
- 3-, 4-, and 5-pole versions are intermatable for added flexibility
- IP67/68 rated for harsh environments
- Patented anti-vibration feature to prevent loosening under high-vibration applications
- 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 continuous-flex applications. Also ideal for welding cells; cable is weld slag resistant

### Physical

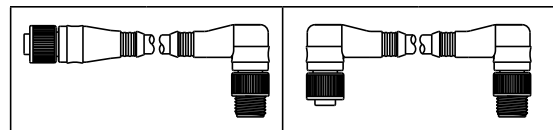
Connector Body: PUR (TPE for K05)  
 Contact Carries: Polyamide  
 O-ring: Viton® (EPDM for A09 cables)  
 Coupling Nut: Nickel-plated Brass (Teflon® coated for K05)  
 Contacts: Copper alloy with Gold over Nickel plating  
 Cables: A09—Yellow PVC jacket, 22 AWG PVC conductors, 300V, UL AWM2661  
 K05—Yellow TPE jacket, 22 AWG PVC conductors, 300V, UL PLTC-ER, +10M flex life (torsion and bending)

### Environmental

Protection: IP67  
 NEMA Rating: NEMA 6

### Reference Information

UL File No.: E152210  
 CSA File No.: LR6837



Poles (Female View)	Max. Current per Contact	Max. Voltage	Cable Type	Cable Jacket (Cable Code)	Wire Size AWG	Length	Female Straight-to-Male Right Angle		Female Right Angle-to-Male Right Angle	
							Engineering No.	Standard Order No.	Engineering No.	Standard Order No.
<b>3 Pole</b>  1 - Brown    4 - Black 3 - Blue	4.0A	250V AC/DC	UL 2661	PVC (A09)	22	1.0m	883032A09M010	120066-1177	883033A09M010	120066-1199
			PLTC-ER	TPE (K05)			883032K05M010	120066-0231	883033K05M010	120066-1223
<b>4 Pole</b>  1 - Brown    3 - Blue 2 - White    4 - Black	4.0A	250V AC/DC	UL 2661	PVC (A09)	22	1.0m	884032A09M010	120066-1307	884033A09M010	120066-1336
			PLTC-ER	TPE (K05)			884032K05M010	120066-0400	884033K05M010	120066-1382
<b>5 Pole</b>  1 - Brown    4 - Black 2 - White    5 - Gray 3 - Blue	4.0A	250V AC/DC	UL 2661	PVC (A09)	22	1.0m	885032A09M010	120066-1399	885033A09M010	120066-1634

Note: Sales drawings for all standard order numbers are available on [molex.com](http://molex.com).  
 Teflon® and Viton® are registered trademarks of E.I. DuPont De Nemours and Company.

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.