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

120079

Male, 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

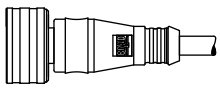
CSA File No.: LR6837 (3, 4, and 5-pole assemblies)

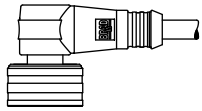
Physical

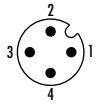
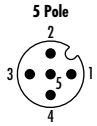
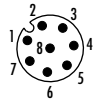
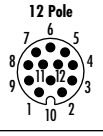
Connector Body: PUR (TPE for K05)
Contact Carries: Polyamide
O-Ring: Viton (EPDM for E03 cables)
Coupling Nut: Nickel-plated Brass (Teflon coated for K05)
Contacts: Copper alloy with Gold over Nickel plating
Cables: E03—Black PVC jacket, 0.34mm² PVC conductors, 300V, 80°C, UL AWM 2464
P03/P02—Black PUR/PVC jacket, 0.34mm² (P03) or 0.25mm² (P02) PVC conductors, 300V, 80°C
H09/H08—Black PUR jacket, 0.34mm² (H09) or 0.25mm² (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	Male Straight		Male Right Angle	
							Engineering No.	Standard Order No.	Engineering No.	Standard Order No.
3 Pole 	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm²	2.0m	W03006E03M020	120079-5105	W03007E03M020	120079-5107
				PUR/PVC (P03)			W03006P03M020	120079-5106	W03007P03M020	120020-0002
			LSOH, UL 21198	PUR (H09)			W03006H09M020	120079-8049	W03007H09M020	120079-8041
			PLTC-ER	TPE (K05)			W03006K05M020	120079-0155	W03007K05M020	120079-0226
4 Pole 	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm²	2.0m	W04006E03M020	120079-0263	W04007E03M020	120079-5108
				PUR/PVC (P03)			W04006P03M020	120079-8006	W04007P03M020	120079-5109
			LSOH, UL 21198	PUR (H09)			W04006H09M020	120079-8053	W04007H09M020	120079-8052
			PLTC-ER	TPE (K05)			W04006K05M020	120079-0156	W04007K05M020	120079-0192
5 Pole 	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm²	2.0m	W05006E03M020	120079-0273	W05007E03M020	120079-5111
				PUR/PVC (P03)			W05006P03M020	120079-5055	W05007P03M020	120079-5112
			LSOH, UL 21198	PUR (H09)			W05006H09M020	120079-8046	W05007H09M020	120079-8050
8 Pole 	2.0A	30V AC/ 36V DC		PUR/PVC (P02)	0.25mm²	2.0m	W08006P02M020	120079-5115	W08007P02M020	120079-5116
			LSOH, UL 21198	PUR (H08)			W08006H08M020	120079-5026	W08007H08M020	120079-8044
12 Pole 	1.5A	30V AC/DC	UL 20549	PUR (H45)	26 AWG	2.0m	W0C006H45M020	120079-5006	W0C007H45M020	120079-5118

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

Configuration Code*
Build-a-Part Number

	Length	Code
	2	M020
	5	M050
	10	M100

W04006K05M0208

Coupling Nut Option
Stainless Steel 8

Cable Code

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