

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

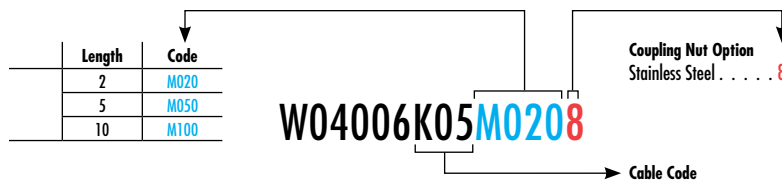
Environmental

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.
	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm ²	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
	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm ²	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
	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm ²	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
	2.0A	30V AC/ 36V DC		PUR/PVC (P02)	0.25mm ²	2.0m	W08006P02M020	120079-5115	W08007P02M020	120079-5116
			LSOH, UL 21198	PUR (H08)			W08006H08M020	120079-5026	W08007H08M020	120079-8044
	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



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