

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

120006/120007/120066

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



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

Reference Information

UL File No.: E152210 (K05 cable assemblies)
CSA File No.: LR6837 (K05 cable 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—Black PUR/PVC jacket, 0.34mm² PVC conductors, 300V, 80°C
H09—Black PUR jacket, 0.34mm² 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)

Environmental

Protection: IP67
NEMA Rating: NEMA 6

Poles (Female View)	Max. Current per Contact	Max. Voltage	Cable Type	Cable Jacket (Cable Code)	Wire Size	Length	Female Straight-to-Male Straight		Female Right Angle-to-Male Straight	
							Engineering No.	Standard Order No.	Engineering No.	Standard Order No.
3 Pole 1 - Brown 4 - Black 3 - Blue	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm ²	1.0m	883030E03M010	120007-0083	883031E03M010	120007-0119
				PUR/PVC (P03)			883030P03M010	120066-0498	883031P03M010	120007-0142
			LSOH, UL 21198	PUR (H09)			883030H09M010	120066-8374	883031H09M010	120065-8763
				PLTC-ER			TPE (K05)	883030K05M010	120066-0676	883031K05M010
4 Pole 1 - Brown 3 - Blue 2 - White 4 - Black	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm ²	1.0m	884030E03M010	120007-0473	884031E03M010	120007-0509
				PUR/PVC (P03)			884030P03M010	120007-0488	884031P03M010	120006-0056
			LSOH, UL 21198	PUR (H09)			884030H09M010	120066-8379	884031H09M010	120066-8484
				PLTC-ER			TPE (K05)	884030K05M010	120066-0687	884031K05M010
5 Pole 1 - Brown 4 - Black 2 - White 5 - Gray 3 - Blue	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm ²	1.0m	885030E03M010	120007-0906	885031E03M010	120066-8189
				PUR/PVC (P03)			885030P03M010	120066-8084	885031P03M010	120066-8188
			LSOH, UL 21198	PUR (H09)			885030H09M010	120066-8497	885031H09M010	120066-8496

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

Configuration Code*
Build-a-Part Number

Length	Code
0.3	M003
0.6	M006
1	M010
2	M020
3	M030
4	M040
5	M050

883030E03M0108
 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.