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

120006/120065

Female, Pigtail Straight, 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

Reference Information

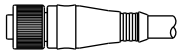
UL File No.: E152210 (K05 cable assemblies)
CSA File No.: LR6837 (K05 cable assemblies)

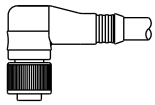
Physical

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	Max. Current per Contact	Max. Voltage	Cable Type	Cable Jacket (Cable Code)	Wire Size	Length	Female Straight		Female Right Angle	
							Engineering No.	Standard Order No.	Engineering No.	Standard Order No.
3 Pole 1 - Brown 4 - Black 3 - Blue	4.0A	250V AC/DC		PVC (E03)	0.34mm²	2.0m	803000E03M020	120006-0001	803001E03M020	120006-0007
				PUR/PVC (P03)			803000P03M020	120006-0004	803001P03M020	120006-0011
			LSOH, UL 21198	PUR (H09)			803000H09M020	120065-8175	803001H09M020	120065-8715
			PLTC-ER	TPE (K05)			803000K05M020	120065-1108	803001K05M020	120065-1489
4 Pole 1 - Brown 3 - Blue 2 - White 4 - Black	4.0A	250V AC/DC		PVC (E03)	0.34mm²	2.0m	804000E03M020	120006-0014	804001E03M020	120006-0021
				PUR/PVC (P03)			804000P03M020	120006-0018	804001P03M020	120006-0024
			LSOH, UL 21198	PUR (H09)			804000H09M020	120065-8178	804001H09M020	120065-8513
			PLTC-ER	TPE (K05)			804000K05M020	120065-1121	804001K05M020	120065-1639
5 Pole 1 - Brown 4 - Black 2 - White 5 - Gray 3 - Blue	4.0A	250V AC/DC		PVC (E03)	0.34mm²	2.0m	805000E03M020	120006-0634	805001E03M020	120006-0652
				PUR/PVC (P03)			805000P03M020	120006-0647	805001P03M020	120006-0663
			LSOH, UL 21198	PUR (H09)			805000H09M020	120065-8172	805001H09M020	120065-8296

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

Configuration Code*
Build-a-Part Number

	Length	Code
Meters	2	M020
	5	M050
	10	M100

803000E03M0208

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.