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

120006/120065

Male, 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

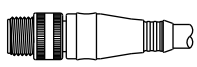
UL File No.: E152210 (K05 cable assemblies)
CSA File No.: LR6837 (K05 cable assemblies)

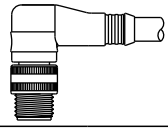
Physical

Connector Body: PUR (TPE for K05)
Contact Carries: Polyamide
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 (Male View)	Max. Current per Contact	Max. Voltage	Cable Type	Cable Jacket (Cable Code)	Wire Size	Length	Male Straight		Male Right Angle	
							Engineering No.	Standard Order No.	Engineering No.	Standard Order No.
3 Pole 3 (1) 4 1 - Brown 4 - Black 3 - Blue	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm²	2.0m	803006E03M020	120006-0240	803007E03M020	120006-0273
				PUR/PVC (P03)			803006P03M020	120006-0257	803007P03M020	120006-0288
			LSOH, UL 21198	PUR (H09)			803006H09M020	120065-8655	803007H09M020	120065-8722
			PLTC-ER	TPE (K05)			803006K05M020	120065-1114	803007K05M020	120065-1501
4 Pole 2 3 (1) 4 1 - Brown 3 - Blue 2 - White 4 - Black	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm²	2.0m	804006E03M020	120006-0560	804007E03M020	120006-1975
				PUR/PVC (P03)			804006P03M020	120006-0570	804007P03M020	120006-0592
			LSOH, UL 21198	PUR (H09)			804006H09M020	120065-8729	804007H09M020	120065-8736
			PLTC-ER	TPE (K05)			804006K05M020	120065-1129	804007K05M020	120065-1691
5 Pole 2 3 (5) 1 4 1 - Brown 4 - Black 2 - White 5 - Gray 3 - Blue	4.0A	250V AC/DC	UL 2464	PVC (E03)	0.34mm²	2.0m	805006E03M020	120006-0667	805007E03M020	120065-8096
				PUR/PVC (P03)			805006P03M020	120006-0680	805007P03M020	120006-0697
			LSOH, UL 21198	PUR (H09)			805006H09M020	120065-8743	805007H09M020	120065-8750

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

803006E03M0208

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.