

Brad® Nano-Change® (M8) Double-Ended Cordsets (Europe)

120028/120087

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



Features and Benefits

- IEC compliant M8 cordset assemblies with threaded couplers
- Small, compact design for miniature sensors and space sensitive applications
- Available in 3, 4, and 5-pole versions
- Patented anti-vibration feature to prevent loosening under high vibration applications
- IP67 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
 - Other types available upon request

Reference Information

UL File No.: E152210 (PVC versions)

Physical

Connector Body: PUR
Contact Carries: PUR
O-ring: Viton
Coupling Nut: Nickel-plated Brass
Contacts: Copper alloy with Gold over Nickel plating
Cables: E02—Black PVC jacket, 0.25mm² PVC conductors, 300V, 80°C, UL AWM 2464
P02—Black PUR/PVC jacket, 0.25mm² PVC conductors, 300V, 80°C
H08—Black PUR jacket, 0.25mm² PVC conductors, 300V, 80°C, Low Smoke/Zero Halogen (LSOH), UL AWM 21198

Environmental

Protection: IP67
NEMA Rating: NEMA 6

Poles (Female View)	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	60V AC / 75V DC	UL 2464	PVC (E02)	0.25mm ²	1.0m	443030E02M010	120087-8258	443031E02M010	120028-0016
				PUR/PVC (P02)			443030P02M010	120087-8140	443031P02M010	120087-8316
			LSOH, UL 21198	PUR (H08)			443030H08M010	120087-8500	443031H08M010	120087-8499
4 Pole 1 - Brown 3 - Blue 2 - White 4 - Black	4.0A	60V AC / 75V DC	UL 2464	PVC (E02)	0.25mm ²	1.0m	444030E02M010	120087-8349	444031E02M010	120087-8365
				PUR/PVC (P02)			444030P02M010	120087-8359	444031P02M010	120087-8372
			LSOH, UL 21198	PUR (H08)			444030H08M010	120087-8495	444031H08M010	120087-8196

Poles (Female View)	Current per Contact	Max. Voltage	Cable Type	Cable Jacket (Cable Code)	Wire Size	Length	Female Straight-to-Male Right Angle		Female Right Angle-to-Male Right Angle	
							Engineering No.	Standard Order No.	Engineering No.	Standard Order No.
3 Pole 1 - Brown 4 - Black 3 - Blue	4.0A	60V AC / 75V DC	UL 2464	PVC (E02)	0.25mm ²	1.0m	443032E02M010	120087-8321	443033E02M010	120087-8329
				PUR/PVC (P02)			443032P02M010	120087-8324	443033P02M010	120087-8502
			LSOH, UL 21198	PUR (H08)			443032H08M010	120087-8501	443033H08M010	120087-8505
4 Pole 1 - Brown 3 - Blue 2 - White 4 - Black	4.0A	60V AC / 75V DC	UL 2464	PVC (E02)	0.25mm ²	1.0m	444032E02M010	120087-8503	444033E02M010	120087-8507
				PUR/PVC (P02)			444032P02M010	120087-8504	444033P02M010	120087-8380
			LSOH, UL 21198	PUR (H08)			444032H08M010	120087-8506	444033H08M010	120087-8508

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

Configuration Code*
Build-a-Part Number

Meters	Length	Code
	.3	M003
	.6	M006
	1	M010
	2	M020
	3	M030
	4	M040
	5	M050

443030E02M010

→ Cable Code

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