

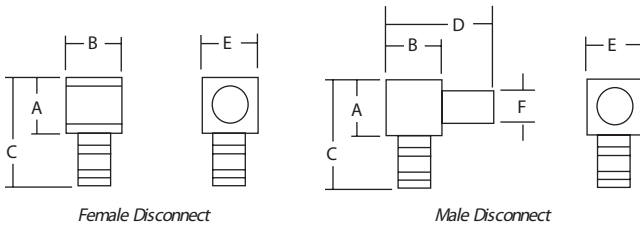
Motor Pigtail Connectors

One Line to One Load (two wires)

Quick, reliable change-out of electric motors with no bolting, taping or loose connections

Features

- Complete line of motor lead disconnects for 600 V and 5 kV applications, covering wire range from #16 through 4/0 AWG
- Fast, snap-together assembly offers maximum labor savings
- No need for nuts, bolts and washers or insulating tape – simply slide on reusable boot
- Total assembly fits into tight motor housings
- Quick disconnect – no knife cutting of melted tape, eliminating the risk of accidental cutting of wire insulation, resulting motor downtime and installer exposure
- Meet or exceed electrical and mechanical performance of bolted connections
- Constructed of high-conductivity copper with tin-plating
- Female disconnects equipped with beryllium copper interface band for dependable connections



Cat. No. Certified to 600 V		Wire Size	Body Size	Colour Code	Boot insulation	Dimensions in. (mm)						Strip Length (in.)	
Female Disconnect	Male Disconnect					A	B	C	D	E	F		
MD1614F-0	MD1614M-0	16-14 AWG	0	Blue	MDBOOT-0	0.25 (6.4)	0.25 (6.4)	0.63 (16.0)	0.52 (13.2)	0.25 (6.4)	0.13 (3.2)	3/8	
MD1614F-1	MD1614M-1					0.38 (9.7)	0.38 (9.7)	0.78 (19.8)	0.75 (19.1)	0.38 (9.7)	0.25 (6.4)		
MD1210F-1	MD1210M-1	12-10 AWG	1	Yellow	MDBOOT-1	0.38 (9.7)	0.35 (8.9)	0.78 (19.8)	0.75 (19.1)	0.38 (9.7)	0.25 (6.4)	7/16	
MD1210F-2	MD1210M-2					0.50 (12.7)	0.50 (12.7)	0.90 (22.9)	1.00 (25.4)	0.50 (12.7)	0.37 (9.4)		
MD8F-1	MD8M-1	8 AWG	1	Red	MDBOOT-1	0.38 (9.7)	0.38 (9.7)	0.82 (20.8)	0.75 (19.1)	0.38 (9.7)	0.25 (6.4)	1/2	
MD8F-2	MD8M-2					0.50 (12.7)	0.50 (12.7)	0.95 (24.1)	1.00 (25.4)	0.50 (12.7)	0.37 (9.4)		
MD6F-1	MD6M-1	6 AWG	2	Blue	MDBOOT-1	0.38 (9.7)	0.38 (9.7)	0.88 (22.4)	0.75 (19.1)	0.38 (9.7)	0.25 (6.4)	17/32	
MD6F-2	MD6M-2					0.50 (12.7)	0.50 (12.7)	1.02 (30.5)	1.00 (25.4)	0.50 (12.7)	0.37 (9.4)		
MD4F-2	MD4M-2	4 AWG	2	Grey	MDBOOT-2	0.50 (12.7)	0.50 (12.7)	1.03 (40.6)	1.00 (25.4)	0.50 (12.7)	0.37 (9.4)	9/16	
MD2F-2	MD2M-2	2 AWG	2	Brown	MDBOOT-2	0.50 (12.7)	0.50 (12.7)	1.09 (48.3)	1.00 (25.4)	0.50 (12.7)	0.37 (9.4)		
MD2F-3	MD2M-3	2 AWG	3	Brown	MDBOOT-3	0.88 (22.4)	0.88 (22.4)	1.46 (37.1)	1.75 (44.5)	0.88 (22.4)	0.50 (12.7)	5/8	
MD1F-2	MD1M-2					0.50 (12.7)	0.50 (12.7)	1.23 (31.2)	1.00 (25.4)	0.50 (12.7)	0.37 (9.4)		
MD1F-3	MD1M-3	1 AWG	2	Green	MDBOOT-2	0.88 (22.4)	0.88 (22.4)	1.56 (39.6)	1.75 (44.5)	0.88 (22.4)	0.50 (12.7)	11/16	
MD10F-3	MD10M-3					1/0 AWG	3	Pink	MDBOOT-3	0.88 (22.4)	0.88 (22.4)		1.56 (39.6)
MD20F-3	MD20M-3	2/0 AWG	3	Black	MDBOOT-3	0.88 (22.4)	0.88 (22.4)	1.59 (40.4)		1.75 (44.5)	0.88 (22.4)	0.50 (12.7)	3/4
MD30F-3	MD30M-3	3/0 AWG				Orange	0.88 (22.4)	0.88 (22.4)	1.71 (43.4)	1.75 (44.5)	0.88 (22.4)	0.50 (12.7)	
MD40F-3	MD40M-3	4/0 AWG	3	Black	MDBOOT-3	0.88 (22.4)	0.88 (22.4)	1.81 (46.0)	1.75 (44.5)	0.88 (22.4)	0.50 (12.7)	-	
MD40F-4	MD40M-4					4/0 AWG	Purple	1.25 (31.8)	1.25 (31.8)	2.89 (73.4)	2.69 (68.3)		1.25 (31.8)
MD250F-4	MD250M-4	250 kcmil	4	Yellow	MDBOOT-4	1.25 (31.8)	1.25 (31.8)	2.89 (73.4)	2.69 (68.3)	1.25 (31.8)	0.81 (22.4)	-	
MD350F-4	MD350M-4	350 kcmil				Red	1.25 (31.8)	1.25 (31.8)	2.89 (73.4)	2.69 (68.3)	1.25 (31.8)		0.81 (22.4)
MD500F-4	MD500M-4	500 kcmil				Brown	1.25 (31.8)	1.25 (31.8)	2.89 (73.4)	2.69 (68.3)	1.25 (31.8)		0.81 (22.4)

Kits: page E60
 Tooling: pp. E4–E62
 Die Selector Chart: pp. E35–E50



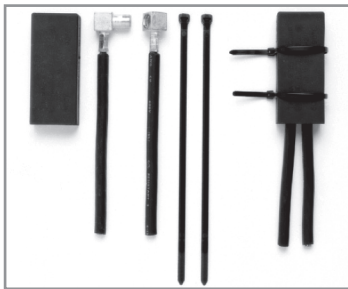
Material: High-Conductivity
Finish: Electro-Tin Plated
Insulator: Thermoplastic Elastomer
Contact Material: Beryllium Copper

Motor Pigtail Connectors

One Line to One Load (two wires) (cont'd)

Quick, easy installation!

- 1 Choose appropriate Color-Keyed® disconnect for conductor size to be terminated. Note colour of bands on disconnect barrel.
- 2 Select proper installing die by matching colour code to disconnect barrel colour bands.
- 3 Install die in T&B tool, insert stripped wire into barrel of disconnect and compress between colour bands. Repeat for mating half.
- 4 Snap the two halves together and slip on insulator over mated connection. Secure insulator with Ty-Rap® cable ties provided with the insulators.



600 V Version



5 kV Version



Cat. No. Certified to 600 V		WT112M WT111M WT2000 ERG4002 ERG4005	TBM45S	Installing Tools					
				TBM6, TBM6S		TBM5 TBM5S	TBM8 TBM8S	Hydraulic Tools	
				Upper Die	Lower Die	Die Set	Die Set	Die Code	Colour Code
Female Disconnect	Male Disconnect								
MD1614F-0	MD1614M-0	X	-	-	-	-	-	-	-
MD1614F-1	MD1614M-1								
MD1210F-1	MD1210M-1								
MD1210F-2	MD1210M-2								
MD8F-1	MD8M-1	-	-	-	-	-	-	-	-
MD8F-2	MD8M-2								
MD6F-1	MD6M-1								
MD6F-2	MD6M-2								
MD4F-2	MD4M-2	X	-	-	-	-	-	-	-
MD2F-2	MD2M-2								
MD2F-3	MD2M-3								
MD1F-2	MD1M-2								
MD1F-3	MD1M-3	-	-	-	-	-	-	-	-
MD10F-3	MD10M-3								
MD20F-3	MD20M-3								
MD30F-3	MD30M-3								
MD40F-3	MD40M-3								
				13475	13477	13454	13461	21	Red
				13472	13476			24	Blue
				13474	-	-	-	29	Grey
								33	Brown
				13475	13477	13455	13462	37	Green
								42	Pink
								45	Black
								50	Orange
				13475	-	13456	13463	54	Purple

Specifications:
 Wire Range: No. 16 to 4/0 AWG.
 Rating: 600 V, 90°C.

Tooling: pp. E4-E62
 Die Selector Chart: pp. E35-E50