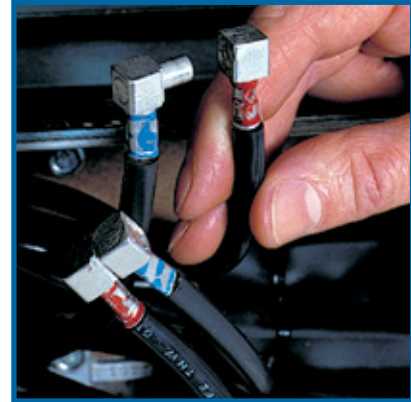


Motor Pigtail Connectors

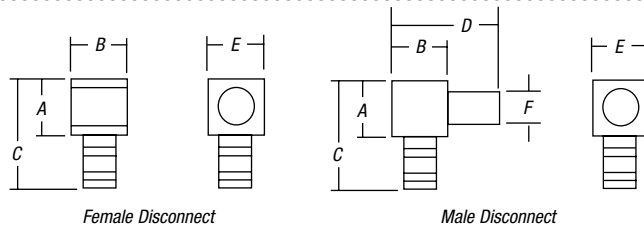
Quick, reliable change-out of electric motors with no bolting, taping or loose connections.

Motor Lead Disconnects

- Complete line of motor lead disconnects for 600V and 5kV applications, covering wire range from #16 AWG through 500 kcmil
- 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



Motor Pigtail Connector — One Line to One Load (2 Wire)



CAT. NO.		WIRE SIZE	BODY SIZE	COLOR CODE	BOOT INSULATION	DIMENSIONS (IN.)						STRIP LENGTH (IN.)
FEMALE DISCONNECT	MALE DISCONNECT					A	B	C	D	E	F	
MD1614F-0	MD1614M-0	#16-#14 AWG	0	BLUE	MDBOOT-0	.25	.25	.63	.52	.25	.125	3/64
MD1614F-1	MD1614M-1	#16-#14 AWG	1	BLUE	MDBOOT-1	.38	.38	.78	.75	.38	.250	3/8
MD1210F-1	MD1210M-1	#12-#10 AWG	1	YELLOW	MDBOOT-1	.38	.38	.78	.75	.38	.250	3/8
MD1210F-2	MD1210M-2	#12-#10 AWG	2	YELLOW	MDBOOT-2	.50	.50	.90	1.00	.50	.370	3/8
MD8F-1	MD8M-1	#8 AWG	1	RED	MDBOOT-1	.38	.38	.82	.75	.38	.250	7/16
MD8F-2	MD8M-2	#8 AWG	2	RED	MDBOOT-2	.50	.50	.95	1.00	.50	.370	7/16
MD6F-1	MD6M-1	#6 AWG	1	BLUE	MDBOOT-1	.38	.38	.88	.75	.38	.250	1/2
MD6F-2	MD6M-2	#6 AWG	2	BLUE	MDBOOT-2	.50	.50	1.02	1.00	.50	.370	1/2
MD4F-2	MD4M-2	#4 AWG	2	GRAY	MDBOOT-2	.50	.50	1.06	1.00	.50	.370	1/2
MD2F-2	MD2M-2	#2 AWG	2	BROWN	MDBOOT-2	.50	.50	1.09	1.00	.50	.370	17/32
MD2F-3	MD2M-3	#2 AWG	3	BROWN	MDBOOT-3	.88	.88	1.46	1.75	.88	.500	17/32
MD1F-2	MD1M-2	#1 AWG	2	GREEN	MDBOOT-2	.50	.50	1.23	1.00	.50	.370	9/16
MD1F-3	MD1M-3	#1 AWG	3	GREEN	MDBOOT-3	.88	.88	1.56	1.75	.88	.500	9/16
MD10F-3	MD10M-3	1/0 AWG	3	PINK	MDBOOT-3	.88	.88	1.56	1.75	.88	.500	9/16
MD20F-3	MD20M-3	2/0 AWG	3	BLACK	MDBOOT-3	.88	.88	1.59	1.75	.88	.500	5/8
MD30F-3	MD30M-3	3/0 AWG	3	ORANGE	MDBOOT-3	.88	.88	1.71	1.75	.88	.500	11/16
MD40F-3	MD40M-3	4/0 AWG	3	PURPLE	MDBOOT-3	.88	.88	1.81	1.75	.88	.500	3/4
MD40F-4	MD40M-4	4/0 AWG	4	PURPLE	MDBOOT-4	1.25	1.25	2.89	2.69	1.25	.813	—
MD250F-4	MD250M-4	250 kcmil	4	YELLOW	MDBOOT-4	1.25	1.25	2.89	2.69	1.25	.813	—
MD350F-4	MD350M-4	350 kcmil	4	RED	MDBOOT-4	1.25	1.25	2.89	2.69	1.25	.813	—
MD500F-4	MD500M-4	500 kcmil	4	BROWN	MDBOOT-4	1.25	1.25	2.89	2.69	1.25	.813	—

Tooling: pp. F-80-F-100

Die Selector Chart: pp. F-101-F-104

Motor Pigtail Connectors

Quick, easy installation!

Motor Pigtail Connector — One Line to One Load (2 Wire) (continued)

- 1 Choose appropriate Blackburn® disconnect for conductor size to be terminated. Note color of bands on disconnect barrel.
- 2 Select proper installing die by matching die color to disconnect barrel color bands.
- 3 Install die in T&B tool, insert stripped wire into barrel of disconnect and compress between color 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.



600V Version



5kV Version

Material: High-Conductivity Copper

Plating: Tin

Insulator: Thermoplastic Elastomer



INSTALLING TOOLS

CAT. NO.		WT112M WT111M WT2000 ERG4002	TBM45S	TBM6, TBM6S		TBM5 TBM5S	TBM8 TBM8S	HYDRAULIC TOOLS	
FEMALE DISCONNECT	MALE DISCONNECT			UPPER DIE	LOWER DIE	DIE SET	DIE SET	DIE CODE	COLOR
MD1614F-0	MD1614M-0	BLUE	—	—	—	—	—	—	—
MD1614F-1	MD1614M-1	—	—	—	—	—	—	—	—
MD1210F-1	MD1210M-1	YELLOW	—	—	—	—	—	—	—
MD1210F-2	MD1210M-2	—	—	—	—	—	—	—	—
MD8F-1	MD8M-1	—	X	13475	13477	13454	13461	21	RED
MD8F-2	MD8M-2	—	X	13475	13477	13454	13461	21	RED
MD6F-1	MD6M-1	—	X	13475	13477	13454	13461	24	BLUE
MD6F-2	MD6M-2	—	X	13475	13477	13454	13461	24	BLUE
MD4F-2	MD4M-2	—	X	13472	13476	13454	13461	29	GRAY
MD2F-2	MD2M-2	—	X	13474	13477	13454	13461	33	BROWN
MD2F-3	MD2M-3	—	X	13474	13477	13454	13461	33	BROWN
MD1F-2	MD1M-2	—	—	13474	13477	13455	13462	37	GREEN
MD1F-3	MD1M-3	—	—	13474	13477	13455	13462	37	GREEN
MD10F-3	MD10M-3	—	—	13475	13477	13455	13462	42	PINK
MD20F-3	MD20M-3	—	—	13474	13477	13455	13462	45	BLACK
MD30F-3	MD30M-3	—	—	13474	13477	13455	13462	50	ORANGE
MD40F-3	MD40M-3	—	—	13475	13477	13456	13463	54	PURPLE
MD40F-4	MD40M-4	—	—	13475	13477	13456	13463	54	PURPLE
MD250F-4	MD250M-4	—	—	13473	13476	13456	13463	62	YELLOW
MD350F-4	MD350M-4	—	—	13472	13476	13458	13466	71H	RED
MD500F-4	MD500M-4	—	—	13478	13478	13458	13468	87H	BROWN

Specifications: Wire Range: #16 to 4/0 AWG

Rating: 600V, 90° C

Tooling: pp. F-80-F-100

Die Selector Chart: pp. F-101-F-104