

Color-Keyed® Motor Lead Disconnects



Thomas & Betts offers a complete line of Motor Lead Disconnects for 600 volt and 5KV applications. Constructed of high conductivity copper with tin-plating, these disconnects achieve quick, reliable change out of electric motors while eliminating bolting, taping and loose connections.

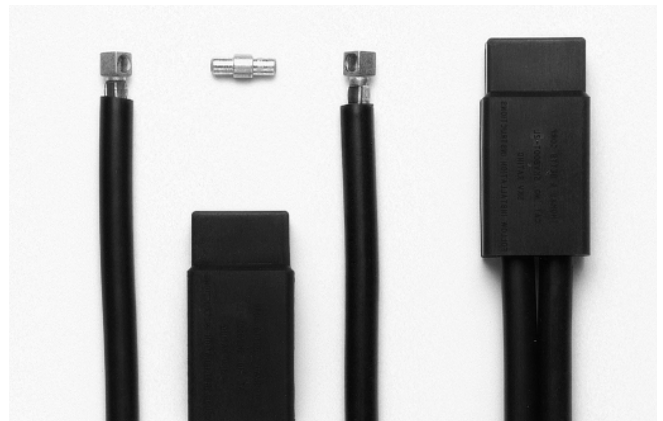
The Motor Lead Disconnects cover the wire range from #16 through 4/0 AWG and meet or exceed the electrical and mechanical performance of bolted connections. The female disconnects are equipped with a beryllium copper interface band to produce dependable connections.

Features and Benefits

- Quick connections—Eliminates nuts, bolts and washers.
- Reliable insulation—No more “miles” of insulating tape. Simply slide on the reusable boot, keeping the total assembly small enough to fit into tight motor housings.
- Labor savings—Fast snap-together assembly.
- Quick disconnect—No knife-cutting of melted tape, therefore no risk of cutting wire insulation, less motor downtime, and installer exposure in hostile environments is minimized.



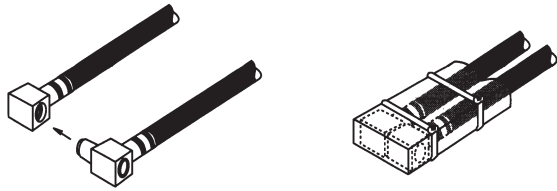
600 VOLT VERSION



5KV VERSION

Technical Information

Ordering Information



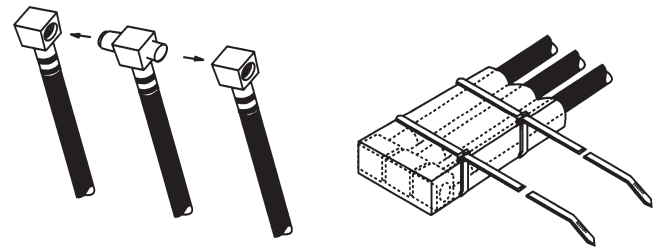
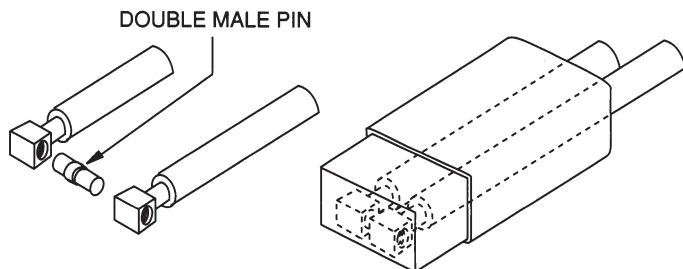
One line – one load 600 volt connection

(One male, one female connector required)

Wire Range AWG	Male Disconnect Cat. No.	Female Disconnect Cat. No.	Body Size	Color Code	Insulating Boot Cat. No.
16 and 14	MD1614M-0	MD1614F-0	0	*	MDBOOT-0
16 and 14	MD1614M-1	MD1614F-1	1	*	MDBOOT-1
12 and 10	MD1210M-1	MD1210F-1	1	*	MDBOOT-1
12 and 10	MD1210M-2	MD1210F-2	2	*	MDBOOT-2
8	MD8M-1	MD8F-1	1	RED	MDBOOT-1
8	MD8M-2	MD8F-2	2	RED	MDBOOT-2
6	MD6M-1	MD6F-1	1	BLUE	MDBOOT-1
6	MD6M-2	MD6F-2	2	BLUE	MDBOOT-2
4	MD4M-2	MD4F-2	2	GREY	MDBOOT-2
2	MD2M-2	MD2F-2	2	BROWN	MDBOOT-2
2	MD2M-3	MD2F-3	3	BROWN	MDBOOT-3
1	MD1M-2	MD1F-2	2	GREEN	MDBOOT-2
1	MD1M-3	MD1F-3	3	GREEN	MDBOOT-3
1/0	MD10M-3	MD10F-3	3	PINK	MDBOOT-3
2/0	MD20M-3	MD20F-3	3	BLACK	
3/0	MD30M-3	MD30F-3	3	ORANGE	
4/0	MD40M-3	MD40F-3	3	PURPLE	

*Uses Sta-Kon® tooling. No color coding.

Specifications	High Conductivity Copper
Disconnects	Electro-tin
Plating	Thermoplastic Elastomer
Insulating Boots	



One line – two load 600 volt connection

(One male, two female connectors required)[†]

Wire Range AWG	Male Disconnect Cat. No.	Female Disconnect Cat. No.	Body Size	Color Code	Insulating Boot Cat. No.
12 and 10	M2D1210M-1	MD1210F-1	1	*	M2DBOOT-1
8	M2D8M-1	MD8F-1	1	RED	M2DBOOT-1
6	M2D6M-1	MD6F-1	1	BLUE	M2DBOOT-1
12 and 10	M2D1210M-2	MD1210F-2	2	*	M2DBOOT-2
8	M2D8M-2	MD8F-2	2	RED	M2DBOOT-2
6	M2D6M-2	MD6F-2	2	BLUE	M2DBOOT-2
4	M2D4M-2	MD4F-2	2	GREY	M2DBOOT-2
2	M2D2M-2	MD2F-2	2	BROWN	M2DBOOT-2
2	M2D2M-3	MD2F-3	3	BROWN	M2DBOOT-3
1	M2D1M-2	MD1F-2	2	GREEN	M2DBOOT-2
1	M2D1M-3	MD1F-3	3	GREEN	M2DBOOT-3
1/0	M2D10M-3	MD10F-3	3	PINK	M2DBOOT-3
2/0	M2D20M-3	MD20F-3	3	BLACK	
3/0	M2D30M-3	MD30F-3	3	ORANGE	
4/0	M2D40M-3	MD40F-3	3	PURPLE	

*Uses Sta-Kon® tooling. No color coding.

[†]Female connectors sold separately.

5KV connections

supplied with boot, pin, silicon gel
(Two female connector required)[†]

Wire Range AWG	Cat. No.	Female Disconnect Cat. No.	Color Code	Body Size
#8	5KVBOOT-2S	MD8F-2	RED	2
#6	5KVBOOT-2S	MD6F-2	BLUE	2
#4	5KVBOOT-2S	MD4F-2	GREY	2
#2	5KVBOOT-2L	MD2F-2	BROWN	2
#1	5KVBOOT-2L	MD1F-2	GREEN	2
#2	5KVBOOT-3S	MD2F-3	BROWN	3
#1	5KVBOOT-3S	MD1F-3	GREEN	3
1/0	5KVBOOT-3S	MD10F-3	PINK	3
2/0	5KVBOOT-3L	MD20F-3	BLACK	3
3/0	5KVBOOT-3L	MD30F-3	ORANGE	3
4/0	5KVBOOT-3L	MD40F-3	PURPLE	3

[†]Female connectors sold separately.

Thomas & Betts

Call our toll-free 24-hour Fax-On-Demand service for technical documentation, brochures and product literature. 1-800-858-6022
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