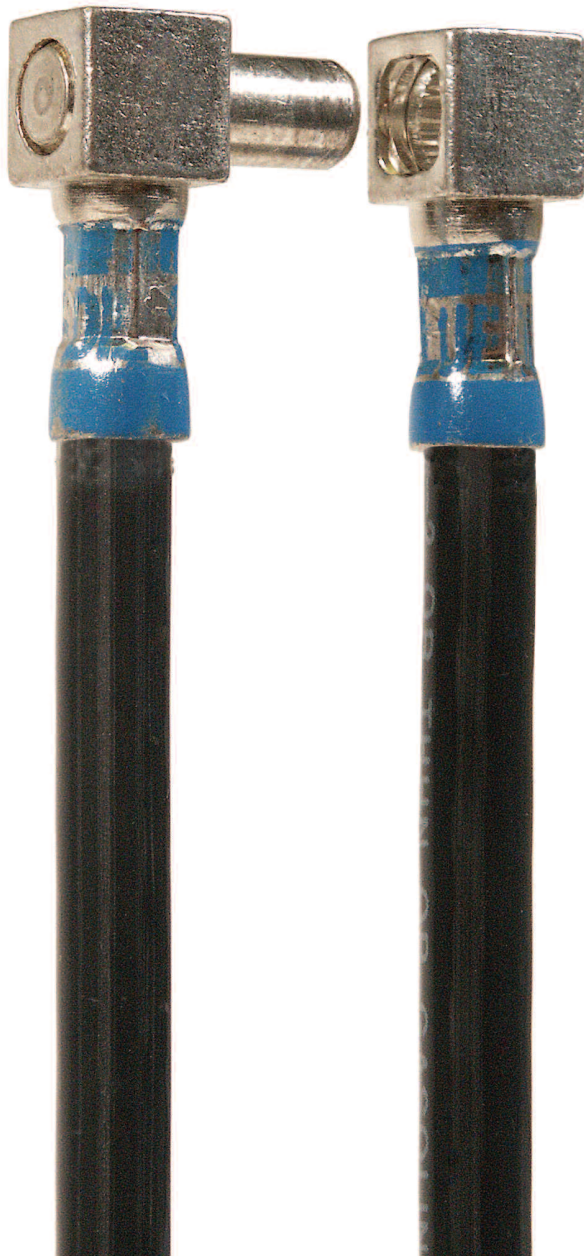


Color-Keyed®

Motor Lead Disconnects





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 500 kcmil and meet or exceed the electrical and mechanical performance of bolted connections. The female disconnects are equipped with a beryllium copper interface band to product dependable connections.

Color-Keyed® Motor Lead Disconnects include these prominent features:

- 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

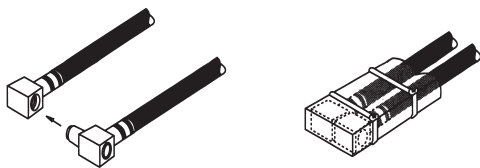


Materials

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

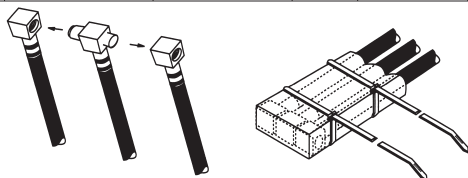


5KV Volt Version



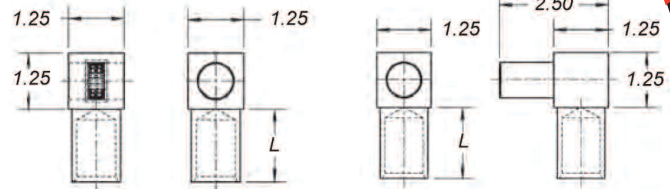
One Line – One Load 600 Volt Connection

Wire Range AWG	Male Disconnect Cat. No.	Female Disconnect Cat. No.	Body Size	WT1300 ERG4002 ERG4005	TBM45S	TBM6, TBM6S		TBM5, TBM5S	TBM8, TBM8S	Hydraulic Tools and TBM50S Hand Tool		Insulating Boot Cat. No.
						Upper Die	Lower Die	Die Set	Die Set	Die Code	Colour Code	
16 and 14	MD1614M-0	MD1614F-0	0	X	-	-	-	-	-	-	-	MDBOOT-0
16 and 14	MD1614M-1	MD1614F-1	1	X	-	-	-	-	-	-	-	MDBOOT-1
12 and 10	MD1210M-1	MD1210F-1	1	X	-	-	-	-	-	-	-	MDBOOT-1
12 and 10	MD1210M-2	MD1210F-2	2	X	-	-	-	-	-	-	-	MDBOOT-2
8	MD8M-1	MD8F-1	1	-	X	13475	13477	13454	13461	21	Red	MDBOOT-1
8	MD8M-2	MD8F-2	2	-	X	13475	13477	13454	13461	21	Red	MDBOOT-2
6	MD6M-1	MD6F-1	1	-	X	13475	13477	13454	13461	24	Blue	MDBOOT-1
6	MD6M-2	MD6F-2	2	-	X	13475	13477	13454	13461	24	Blue	MDBOOT-2
4	MD4M-2	MD4F-2	2	-	X	13472	13476	13454	13461	29	Grey	MDBOOT-2
2	MD2M-2	MD2F-2	2	-	X	13474	13477	13454	13461	33	Brown	MDBOOT-2
2	MD2M-3	MD2F-3	3	-	X	13474	13477	13454	13461	33	Brown	MDBOOT-3
1	MD1M-2	MD1F-2	2	-	-	13474	13477	13455	13462	37	Green	MDBOOT-2
1	MD1M-3	MD1F-3	3	-	-	13474	13477	13455	13462	37	Green	MDBOOT-3
1/0	MD10M-3	MD10F-3	3	-	-	13475	13477	13455	13462	42	Pink	
2/0	MD20M-3	MD20F-3	3	-	-	13474	13477	13455	13462	45	Black	MDBOOT-3
3/0	MD30M-3	MD30F-3	3	-	-	13474	13477	13455	13462	50	Orange	
4/0	MD40M-3	MD40F-3	3	-	-	13475	13477	13455	13463	54	Purple	



One Line – Two Load 600 Volt Connection

Wire Range AWG	Male Disconnect Cat. No.	Female Disconnect Cat. No.	Body Size	WT1300 ERG4002 ERG4005	TBM45S	TBM6, TBM6S		TBM5, TBM5S	TBM8, TBM8S	Hydraulic Tools and TBM50S Hand Tool		Insulating Boot Cat. No.
						Upper Die	Lower Die	Die Set	Die Set	Die Code	Colour Code	
16 and 14	M2D1614M-0	MD1614F-0	0	X	-	-	-	-	-	-	-	MDBOOT-0
16 and 14	M2D1614M-1	MD1614F-1	1	X	-	-	-	-	-	-	-	MDBOOT-1
12 and 10	M2D1210M-1	MD1210F-1	1	X	-	-	-	-	-	-	-	M2DBOOT-1
12 and 10	M2D1210M-2	MD1210F-2	2	X	-	-	-	-	-	-	-	M2DBOOT-2
8	M2D8M-1	MD8F-1	1	-	X	13475	13477	13454	13461	21	Red	M2DBOOT-1
8	M2D8M-2	MD8F-2	2	-	X	13475	13477	13454	13461	21	Red	M2DBOOT-2
6	M2D6M-1	MD6F-1	1	-	X	13475	13477	13454	13461	24	Blue	M2DBOOT-1
6	M2D6M-2	MD6F-2	2	-	X	13475	13477	13454	13461	24	Blue	M2DBOOT-2
4	M2D4M-2	MD4F-2	2	-	X	13472	13476	13454	13461	29	Grey	M2DBOOT-2
2	M2D2M-2	MD2F-2	2	-	X	13474	13477	13454	13461	33	Brown	M2DBOOT-2
2	M2D2M-3	MD2F-3	3	-	X	13474	13477	13454	13461	33	Brown	M2DBOOT-3
1	M2D1M-2	MD1F-2	2	-	-	13474	13477	13455	13462	37	Green	M2DBOOT-2
1	M2D1M-3	MD1F-3	3	-	-	13474	13477	13455	13462	37	Green	M2DBOOT-3
1/0	M2D10M-3	MD10F-3	3	-	-	13475	13477	13455	13462	42	Pink	
2/0	M2D20M-3	MD20F-3	3	-	-	13474	13477	13455	13462	45	Black	M2DBOOT-3
3/0	M2D30M-3	MD30F-3	3	-	-	13474	13477	13455	13462	50	Orange	
4/0	M2D40M-3	MD40F-3	3	-	-	13475	13477	13455	13463	54	Purple	



Female Disconnect Bodies

Male Disconnect Bodies



Motor Lead Disconnects – Body Size 4

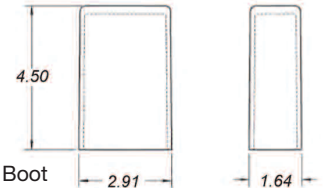
Female Cat. No.	Male Cat. No.	Wire Size	L Dimension (in.)	Strip Length (in.)	Colour Code	Insulating Boot Cat. No.
MD40F-4	MD40M-4	4/0 AWG	1.125	1.000	Purple	MDBOOT-4*
MD250F-4	MD250M-4	250 kcmil	1.250	1.125	Yellow	
MD350F-4	MD350M-4	350 kcmil	1.500	1.250	Red	
MD500F-4	MD500M-4	500 kcmil	1.641	1.313	Brown	

Installation Tools: TBM6/6S, TBM8/8S, TBM12, 131004, 13642M, TBM14, BPLT14BSCR, TBM620BSCR

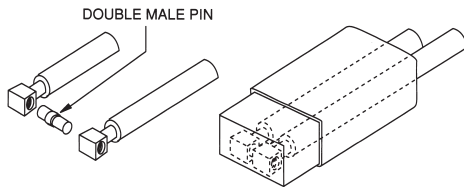
Insulating Boot for Motor Lead Disconnects

Cat. No.	Body Size	Wire Range
MDBOOT-4*	4	4/0 AWG - 500 kcmil

* Ships with (2) Ty-Rap® Cable Ties (Cat. No. TYHT28M) for fastening.



Insulation Boot



5KV Connections

Wire Range AWG	Cat. No.	Female Disconnect Cat. No.	Colour 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

Supplied with boot, pin, silicon gel. Two female connectors required. Female connectors sold separately.



Kits

Cat. No.	Description
MDPWK12	Selection of size 1 and 2 male and female motor disconnects plus insulators; to connect 60 single line to single line load motor leads, #12 AWG through #2 AWG; tools not included.
MDPWK23	Selection of size 2 and 3 male and female motor disconnects plus insulators; to connect 54 single line to single line load motor leads, #12 AWG through #4/0 AWG; tools not included. 2 and 1 male and female motor disconnects plus insulators. To convert single to single line or single to two line.
MDKITL	MDPWK12 with Tool.

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