

# Female Disconnects

## 3M™ Female Disconnects — Non-Insulated Butted Seam

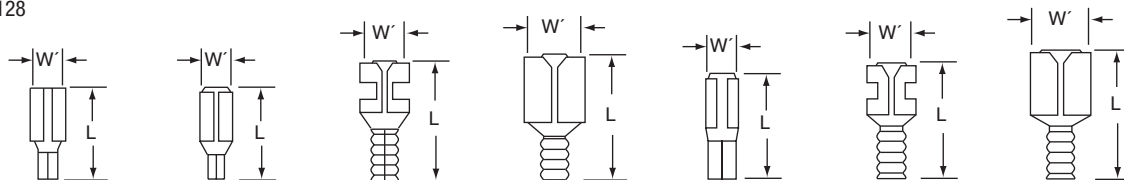


Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)**	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MU20-110DFK-A*	00984	26-20	0.110 x 0.020	0.48	—	—	—	1000
MU20-110/32DFK-A*	00985	26-20	0.110 x 0.032	0.48	—	—	—	1000
MU18-187DFK	02366	22-18	0.187 x 0.020	0.58	0.25	0.085	—	1000
MU18-250DFX	16725	22-18	0.250 x 0.032	0.66	0.25	0.080	100	500
MU18-250DFK	01300	22-18	0.250 x 0.032	0.66	0.25	0.080	—	1000
MU14-110DFX-A*	57448***	16-14	0.110 x 0.020	0.54	0.19	0.115	100	500
MU14-110DFK*	13995	16-14	0.110 x 0.020	0.54	0.19	0.115	—	1000
MU14-187DFX	22831	16-14	0.187 x 0.020	0.58	0.25	0.085	100	500
MU14-187DFK	01767	16-14	0.187 x 0.020	0.58	0.25	0.085	—	1000
MU14-250DFX	22849	16-14	0.250 x 0.032	0.66	0.25	0.080	100	500
MU14-250DFK	01768	16-14	0.250 x 0.032	0.66	0.25	0.080	—	1000

\* Not UL Listed or CSA Certified

\*\* For #10-12 AWG, see MI10-250DF

\*\*\* UPC prefix 051128



MU20-110DF

MU20-110/32DF

MU18-187DF

MU18-250DF

MU14-110DF

MU14-187DF

MU14-250DF

Wire Range

26-20

26-20

22-18

22-18

16-14

16-14

16-14

Suggested Mate

0.110 Male Tab

0.110 Male Tab

MU18-187DM

MU18-250DM

0.110 Male Tab

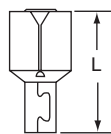
MU14-187DM

MU14-250DM

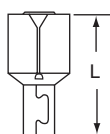
## 3M™ Female Disconnects — Non-Insulated Interlock Barrel



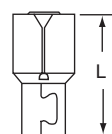
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)**	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MI18-250DFX	09979	22-18	0.250 x 0.032	0.63	0.25	0.076	100	500
MI18-250DFK	69561	22-18	0.250 x 0.032	0.63	0.25	0.076	—	1000
MI14-250DFX	09977	16-14	0.250 x 0.032	0.63	0.25	0.076	100	500
MI14-250DFK	69559	16-14	0.250 x 0.032	0.63	0.25	0.076	—	1000
MI10-250DFX	09975	12-10	0.250 x 0.032	0.64	0.25	0.128	50	500
MI10-250DFK	69557	12-10	0.250 x 0.032	0.64	0.25	0.128	—	500



MI18-250DF



MI14-250DF



MI10-250DF

Wire Range

22-18

16-14

12-10

Suggested Mate

MU18-250DF

MU14-250DM

MU10-250DM

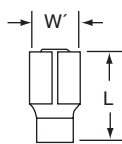
<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.

### 3M™ Female Disconnects — Non-Insulated Butted Seam Flag

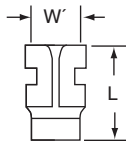


Product Number <sup>†</sup>	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MU18-187DF/FLAGX*	22138	22-18	0.187 x 0.020	0.46	0.20	0.075	100	500
MU18-187DF/FLAGK*	01302	22-18	0.187 x 0.020	0.46	0.20	0.075	—	1000
MU18-250DF/FLAGX	22146	22-18	0.250 x 0.032	0.50	0.25	0.075	100	500
MU18-250DF/FLAGK	01303	22-18	0.250 x 0.032	0.50	0.25	0.075	—	1000
MU14-187DF/FLAGX*	22948	16-14	0.187 x 0.020	0.47	0.20	0.095	100	500
MU14-187DF/FLAGK*	01778	16-14	0.187 x 0.020	0.47	0.20	0.095	—	1000
MU14-250DF/FLAGX	22955	16-14	0.250 x 0.032	0.51	0.26	0.095	100	500
MU14-250DF/FLAGK	01779	16-14	0.250 x 0.032	0.51	0.26	0.095	—	1000

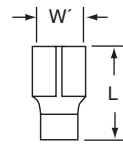
\* Not UL Listed or CSA Certified



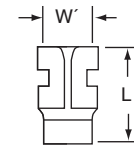
MU18-187DF/FLAG



MU18-250DF/FLAG



MU14-187DF/FLAG



MU14-250DF/FLAG

Wire Range

22-18

22-18

16-14

16-14

Suggested Mate

0.187 Male Tab

0.250 Male Tab

0.187 Male Tab

0.250 Male Tab

### 3M™ Female Disconnects — Vinyl Insulated Butted Seam

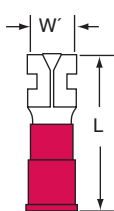


Product Number <sup>†</sup>	UPC (054007-)	Wire Range (AWG)**	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MVU18-187DFK	02368	22-18	0.187 x 0.020	0.78	0.25	0.085	0.145	—	1000
MVU18-250DFX	11820	22-18	0.250 x 0.032	0.87	0.25	0.080	0.145	100	500
MVU18-250DFK	01301	22-18	0.250 x 0.032	0.87	0.25	0.080	0.145	—	1000
MVU14-110DFK-A*	57438***	16-14	0.110 x 0.020	0.73	—	—	0.18	—	1000
MVU14-187DFX	22872	16-14	0.187 x 0.020	0.78	0.25	0.085	0.145	100	500
MVU14-187DFK	01776	16-14	0.187 x 0.020	0.78	0.25	0.085	0.145	—	1000
MVU14-250DFX	22880	16-14	0.250 x 0.032	0.87	0.25	0.080	0.145	100	500
MVU14-250DFK	01777	16-14	0.250 x 0.032	0.87	0.25	0.080	0.145	—	1000

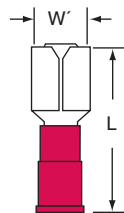
\* Not UL Listed or CSA Certified

\*\* For #10-12 AWG, MVU10-250DF has been substituted with MV10-250DF.

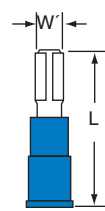
\*\*\* UPC prefix 051128



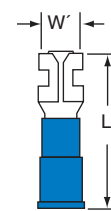
MVU18-187DF



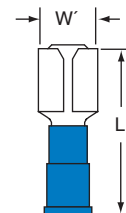
MVU18-250DF



MVU14-110DFK-A



MVU14-187DF



MVU14-250DF

Wire Range

22-18

22-18

16-14

16-14

16-14

Suggested Mate

MVU18-187DM

MVU18-250DM

0.110 Male Tab

MVU14-187DM

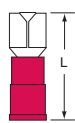
MVU14-250DM

<sup>†</sup>Product number ending in X = box; product number ending with K = bulk.

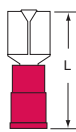
## 3M™ Female Disconnects — Vinyl Insulated Interlock Barrel



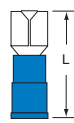
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MVI18-187DFX	09996	22-18	0.187 x 0.020	0.77	0.25	0.080	0.145	100	500
MVI18-187DFK	69581	22-18	0.187 x 0.020	0.77	0.25	0.080	0.145	—	1000
MVI18-250DFX	09997	22-18	0.250 x 0.032	0.83	0.25	0.076	0.145	100	500
MVI18-250DFK	69582	22-18	0.250 x 0.032	0.83	0.25	0.076	0.145	—	1000
MVI14-187DFX	09999	16-14	0.187 x 0.020	0.77	0.25	0.080	0.145	100	500
MVI14-187DFK	69579	16-14	0.187 x 0.020	0.77	0.25	0.080	0.145	—	1000
MVI14-250DFX	69556	16-14	0.250 x 0.032	0.83	0.25	0.076	0.145	100	500
MVI14-250DFK	69580	16-14	0.250 x 0.032	0.83	0.25	0.076	0.145	—	1000
MVI10-250DFX	09998	12-10	0.250 x 0.032	0.95	0.25	0.128	0.250	50	500
MVI10-250DFK	69578	12-10	0.250 x 0.032	0.95	0.25	0.128	0.250	—	500



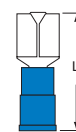
MVI18-187DF



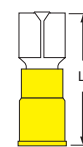
MVI18-250DF



MVI14-187DF



MVI14-250DF



MVI10-250DF

Wire Range

22-18

22-18

16-14

16-14

12-10

Suggested Mate

MVU18-187DM

MVU18-250DM

MVU14-187DM

MVU14-250DM

MVU10-250DM

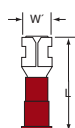
## 3M™ Female Disconnects — Nylon Insulated with Insulation Grip



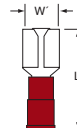
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)**	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-110DFX-A	57444**	22-18	0.187 x 0.020	0.77	0.25	0.085	0.145	—	1000
MNG18-110DFK-A	57445**	22-18	0.250 x 0.032	0.86	0.25	0.080	0.145	100	500
MNG18-187DFK	02405	22-18	0.110 x 0.020	0.77	—	—	0.16	—	—
MNG18-250DFX	02393	22-18	0.110 x 0.020	0.77	—	—	0.16	—	—
MNG18-250DFK	02369	22-18	0.250 x 0.032	0.86	0.25	0.080	0.145	—	1000
MNG14-110DFX-A*	57427**	16-14	0.110 x 0.020	0.77	—	—	0.20	100	500
MNG14-110DFK-A*	57437**	16-14	0.110 x 0.020	0.77	—	—	0.20	—	1000
MNG14-187DFX	22914	16-14	0.187 x 0.020	0.77	0.25	0.085	0.145	100	500
MNG14-187DFK	01773	16-14	0.187 x 0.020	0.77	0.25	0.085	0.145	—	1000
MNG14-250DFX	22930	16-14	0.250 x 0.032	0.86	0.25	0.080	0.145	100	500
MNG14-250DFK	01774	16-14	0.250 x 0.032	0.86	0.25	0.080	0.145	—	1000
MNG10-375DFK*	02053	12-10	0.375 x 0.050	1.23	0.25	0.175	0.250	—	500

\* Not UL Listed or CSA Certified

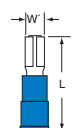
\*\* UPC prefix 051128



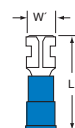
MNG18-187DF



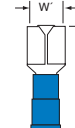
MNG18-250DF



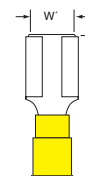
MNG14-110DF-A



MNG14-187DF



MNG14-250DF



MNG10-375DF

Wire Range

22-18

22-18

16-14

16-14

16-14

12-10

Suggested Mate

MNG18-187DM

MNG18-250DM

0.110 Male Tab

MNG14-187DM

MNG14-250DM

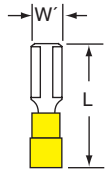
0.375 Male Tab

<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.

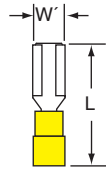
## 3M™ Female Disconnects — Vinyl Insulated with Insulation Grip

Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MVG24-110DFK*	95151	26-20	0.110 x 0.020	0.63	0.13	0.055	0.093	—	1000
MVG24-110/32DFX*	95176	26-20	0.110 x 0.032	0.63	0.13	0.055	0.093	100	500

\* Not UL Listed or CSA Certified



MVG24-110DF



MVG24-110/32DF

Wire Range

26-20

26-20

Suggested Mate

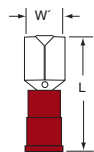
0.110 Male Tab

0.110 Male Tab

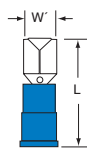
## 3M™ Female Disconnects — Nylon Insulated with Insulation Grip Interlock Barrel



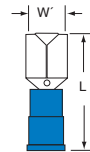
Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNGI18-250DFX	09990	22-18	0.250 x 0.032	0.83	0.25	0.076	0.145	100	500
MNGI18-250DFK	69572	22-18	0.250 x 0.032	0.83	0.25	0.076	0.145	—	1000
MNGI14-187DFX	09987	16-14	0.187 x 0.020	0.77	0.25	0.080	0.145	100	500
MNGI14-187DFK	69569	16-14	0.187 x 0.020	0.77	0.25	0.080	0.145	—	1000
MNGI14-250DFX	09988	16-14	0.250 x 0.032	0.83	0.25	0.076	0.145	100	500
MNGI14-250DFK	69570	16-14	0.250 x 0.032	0.83	0.25	0.076	0.145	—	1000
MNGI10-250DFX	09986	12-10	0.250 x 0.032	0.94	0.25	0.128	0.250	50	500
MNGI10-250DFK	69568	12-10	0.250 x 0.032	0.94	0.25	0.128	0.250	—	500



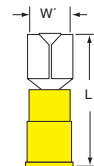
MNGI18-250DF



MNGI14-187DF



MNGI14-250DF



MNGI10-250DF

Wire Range

22-18

16-14

16-14

12-10

Suggested Mate

MNGI18-250DM

MNGI14-187DM

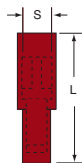
MNGI14-250DM

MNGI10-250DM

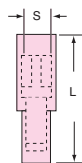
\*Product number ending in X = box; product number ending with K = bulk.

## 3M™ Female Disconnects — Nylon Insulated with Insulation Grip Bullet Style

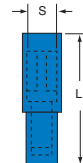
Product Number <sup>1</sup>	UPC (051138-)	Wire Range (AWG)	Mating Snap Diameter		Maximum Insulation Diameter	Terminals per:	
			S	L		Carton	Case
MNG18-156DFIK-A	98078	22-18	0.156	0.99	0.15	—	1000
MNG18-180DFIK-A	98084	22-18	0.180	1.00	0.15	—	1000
MNG14-156DFIX-A	98118	16-14	0.156	0.99	0.19	100	500
MNG14-156DFIK-A	98117	16-14	0.156	0.99	0.19	—	1000
MNG14-180DFIX-A	98128	16-14	0.180	1.00	0.19	100	500
MNG14-180DFIK-A	98127	16-14	0.180	1.00	0.19	—	1000



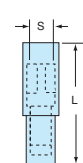
MNG18-156DFI-A



MNG18-180DFI-A



MNG14-156DFI-A



MNG14-180DFI-A

Wire Range

22-18

22-18

16-14

16-14

Suggested Mate

MNG18-156DM

MNG18-180DM

MNG14-156DM

MNG14-180DM

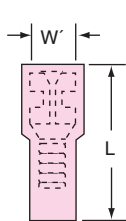
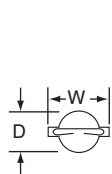
## 3M™ Female Disconnects — Nylon Fully Insulated Butted Seam



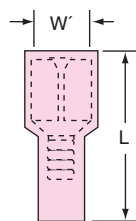
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)**	Mates with Male Tab Width (W') x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per:	
										Carton	Case
MNU18-187DFIX	02353	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	100	500
MNU18-187DFIK	02370	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	—	1000
MNU18-250DFIX	02286	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	100	500
MNU18-250DFIK	02290	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	—	1000
MNU14-187DFIX	02387	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	100	500
MNU14-187DFIK	02384	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	—	1000
MNU14-250DFIX	02287	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	50	500
MNU14-250DFIK	02291	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	—	1000

Not UL Listed or CSA Certified

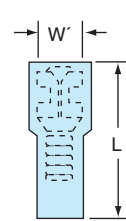
\*\*For #10-12 AWG, see MNI10-250DFI



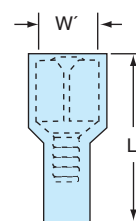
MNU18-187DFI



MNU18-250DFI



MNU14-187DFI



MNU14-250DFI

Stud Size

22-18

22-18

16-14

16-14

Wire Range

22-18

22-18

16-14

16-14

Suggested Mate

MNU18-187DMI

MNU18-250DMI

MNU14-187DMI

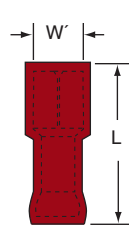
MNU14-250DMI

<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.

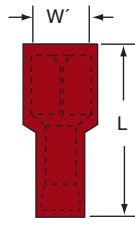
## 3M™ Female Disconnects — Nylon Fully Insulated with Insulation Grip



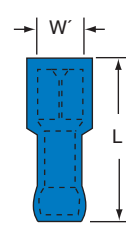
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-187DFIX	11704	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	100	500
MNG18-187DFIK	11816	22-18	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	—	1000
MNG18-250DFIX	11705	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	100	500
MNG18-250DFIK	02293	22-18	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	—	1000
MNG14-187DFIX	11715	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	100	500
MNG14-187DFIK	15975	16-14	0.187 x 0.020	0.81	0.30	0.23	0.25	0.085	0.145	—	1000
MNG14-250DFIX	11716	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	100	500
MNG14-250DFIK	01841	16-14	0.250 x 0.032	0.87	0.37	0.23	0.25	0.080	0.145	—	1000



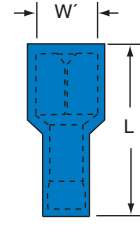
MNG18-187DFI  
22-18  
MNG18-187DMI



MNG18-250DFI  
22-18  
MNG18-250DMI



MNG14-187DFI  
16-14  
MNG14-187DMI



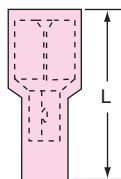
MNG14-250DFI  
16-14  
MNG14-250DMI

Stud Size  
Wire Range  
Suggested Mate

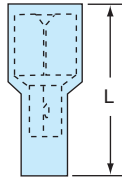
## 3M™ Female Disconnects — Nylon Fully Insulated Interlock Barrel



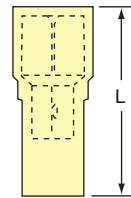
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNI18-250DFIX	09995	22-18	0.250 x 0.032	0.91	0.25	0.076	0.145	100	500
MNI18-250DFIK	69577	22-18	0.250 x 0.032	0.91	0.25	0.076	0.145	—	1000
MNI14-250DFIX	09993	16-14	0.250 x 0.032	0.91	0.25	0.076	0.145	100	500
MNI14-250DFIK	69575	16-14	0.250 x 0.032	0.91	0.25	0.076	0.145	—	1000
MNI10-250DFIX	09991	12-10	0.250 x 0.032	0.99	0.25	0.128	0.250	50	500
MNI10-250DFIK	69573	12-10	0.250 x 0.032	0.99	0.25	0.128	0.250	—	500



MNI18-250DFI  
22-18  
MNI18-250DMI



MNI14-250DFI  
16-14  
MNI14-250DMI



MNI10-250DFI  
12-10  
MNI10-250DMI

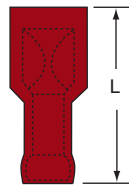
Wire Range  
Suggested Mate

<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.

## 3M™ Female Disconnects — Nylon Fully Insulated with Insulation Grip Interlock Barrel



Product Number*	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNGI18-250DFIX	09985	22-18	0.250 x 0.032	0.87	0.25	0.076	0.145	100	500
MNGI18-250DFIK	69567	22-18	0.250 x 0.032	0.87	0.25	0.076	0.145	—	1000
MNGI14-250DFIX	09983	16-14	0.250 x 0.032	0.87	0.25	0.076	0.145	100	500
MNGI14-250DFIK	69565	16-14	0.250 x 0.032	0.87	0.25	0.076	0.145	—	1000
MNGI10-250DFIX	09981	12-10	0.250 x 0.032	0.99	0.25	0.128	0.250	50	500
MNGI10-250DFIK	69563	12-10	0.250 x 0.032	0.99	0.25	0.128	0.250	—	500



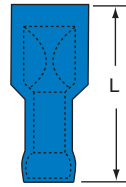
MNGI18-250DFI

Wire Range

22-18

Suggested Mate

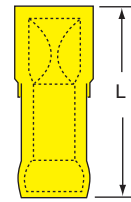
MNG18-250DMI



MNGI14-250DFI

16-14

MNG14-250DMI



MNGI10-250DFI

12-10

MNG10-250DMI

## 3M™ Female Disconnects — T-Tab Nylon Insulated Self-Stripping



Product Number*	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	M	W	Maximum Insulation Diameter	Terminals per: Carton	Case
951X	12312	22-18	0.250 x 0.032	0.73	0.44	0.38	0.150	50	500
951K	12313	22-18	0.250 x 0.032	0.73	0.44	0.38	0.150	—	1000
952X	08427	16-14	0.250 x 0.032	0.73	0.44	0.38	0.150	50	500
952K	08428	16-14	0.250 x 0.032	0.73	0.44	0.38	0.150	—	1000
953X	12314	12	0.250 x 0.032	0.73	0.44	0.38	0.150	50	500
953K	12315	12	0.250 x 0.032	0.73	0.44	0.38	0.150	—	1000



951

Wire Range

22-18

Suggested Mate

MNG18-250DMI



952

18-16-14

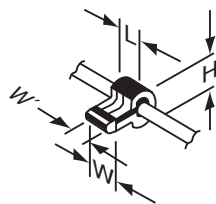
MNG14-250DMI



953

12

MNG10-250DMI

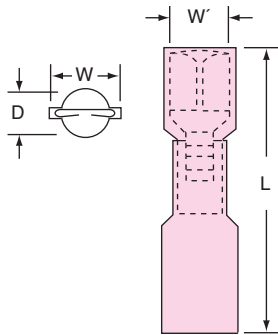


\*Product number ending in X = box; product number ending with K = bulk.

## 3M™ Female Disconnects — Heat Shrink Nylon Fully Insulated

Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	W	D	Barrel Length	Barrel I.D.	Terminals per: Bag	Case
MNHU18-250DFIX*	06354	22-18	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080	25	100
MNHU18-250DFIK*	06355	22-18	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080	—	250
MNHU14-250DFIX*	06338	16-14	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080	25	100
MNHU14-250DFIK*	06339	16-14	0.250 x 0.032	1.2	0.37	0.23	0.25	0.080	—	250
MNHU10-250DFIX	06314	12-10	0.250 x 0.032	1.2	0.39	0.32	0.25	0.165	25	100
MNHI10-250DFIK	06315	12-10	0.250 x 0.032	1.2	0.39	0.32	0.25	0.165	—	250

\*Windowless receptacle



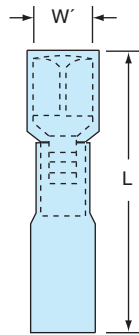
MNHU18-250DFI

Wire Range

22-18

Suggested Mate

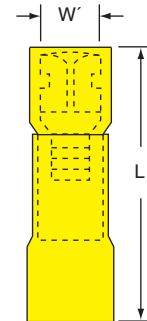
MNHU18-250DMI



MNHU14-250DFI

16-14

MNHU14-250DMI



MNHI10-250DFI

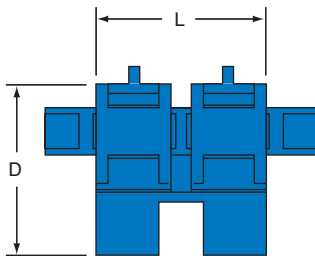
12-10

MNHU10-250DMI

## 3M™ Female Disconnects — Fuseholder Polypropylene Insulated Self-Stripping

Product Number	UPC (054007-)	Wire Range (AWG)	Mates with Male Tab Width (W') x Thickness	L	H	D	Maximum Insulation Diameter	Terminals per: Carton	Case
972X	06171	18-14	0.205 x 0.025	1.37	0.44	0.95	0.145	25	250
972K	06172	18-14	0.205 x 0.025	1.37	0.44	0.95	0.145	—	1000

For use with flat blade automotive type fuse of 30V or less.



972

Wire Range

18-14

Suggested Mate

ATO Auto Fuse

\*Product number ending in X = box; product number ending with K = bulk.

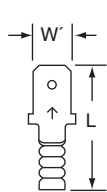


# Male Disconnects

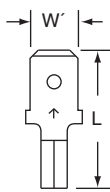
## 3M™ Male Disconnects — Non-Insulated Butted Seam



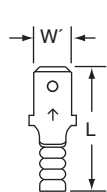
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MU18-187DMK	02372	22-18	0.187 x 0.020	0.64	0.24	0.080	—	1000
MU18-250DMK	02364	22-18	0.250 x 0.032	0.73	0.25	0.065	—	1000
MU14-187DMK	01783	16-14	0.187 x 0.020	0.64	0.24	0.080	—	1000
MU14-250DMX	22971	16-14	0.250 x 0.032	0.73	0.25	0.085	100	500
MU14-250DMK	01784	16-14	0.250 x 0.032	0.73	0.25	0.085	—	1000
MU10-250DMX	23912	12-10	0.250 x 0.032	0.75	0.25	0.150	100	500
MU10-250DMK	02056	12-10	0.250 x 0.032	0.75	0.25	0.150	—	500



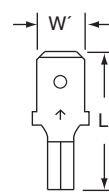
MU18-187DM



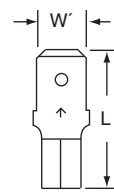
MU18-250DM



MU14-187DM



MU14-250DM



MU10-250DM

Wire Range

22-18

22-18

16-14

16-14

12-10

Suggested Mate

MU18-187DF

MU18-250DF

MU14-187DF

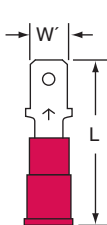
MU14-250DF

MU10-250DF

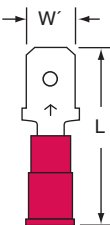
## 3M™ Male Disconnects — Vinyl Insulated Butted Seam



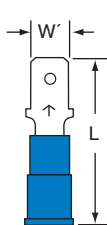
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MVU18-187DMK	02375	22-18	0.187 x 0.020	0.85	0.24	0.080	0.145	—	1000
MVU18-250DMX	11822	22-18	0.250 x 0.032	0.93	0.25	0.065	0.145	100	500
MVU18-250DMK	02376	22-18	0.250 x 0.032	0.93	0.25	0.065	0.145	—	1000
MVU14-187DMX	22989	16-14	0.187 x 0.020	0.85	0.24	0.080	0.145	100	500
MVU14-187DMK	01789	16-14	0.187 x 0.020	0.85	0.24	0.080	0.145	—	1000
MVU14-250DMX	22997	16-14	0.250 x 0.032	0.93	0.25	0.085	0.170	100	500
MVU14-250DMK	01790	16-14	0.250 x 0.032	0.93	0.25	0.085	0.170	—	1000
MVU10-250DMX	23920	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250	50	500
MVU10-250DMK	02059	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250	—	500



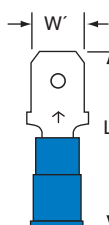
MVU18-187DM



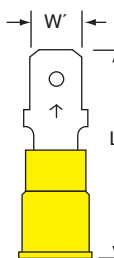
MVU18-250DM



MVU14-187DM



MVU14-250DM



MVU10-250DM

Wire Range

22-18

22-18

16-14

16-14

12-10

Suggested Mate

MVU18-187DF

MVU18-250DF

MVU14-187DF

MVU14-250DF

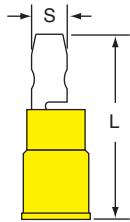
MVU10-250DF

<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.

## 3M™ Male Disconnects — Vinyl Insulated Butted Seam Bullet Style



Product Number <sup>1</sup>	UPC (051138-)	Wire Range (AWG)	Mating Snap Diameter		Maximum Insulation Diameter	Terminals per:	
			S	L		Carton	Case
MVU18-156DMK-A	98094	22-18	0.156	0.85	0.15	—	1000
MVU18-180DMK-A	98145	22-18	0.180	0.83	0.15	—	1000
MVU14-156DMX-A	98147	16-14	0.156	0.85	0.170	100	500
MVU14-156DMK-A	98149	16-14	0.156	0.85	0.170	—	1000
MVU14-180DMX-A	98160	16-14	0.180	0.83	0.171	100	500
MVU14-180DMK	98163	16-14	0.180	0.83	0.171	—	1000



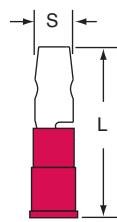
MVU18-156DM

Wire Range

22-18

Suggested Mate

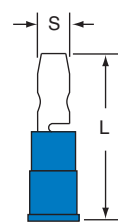
MNU18-156DFI



MVU18-180DM

22-18

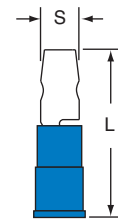
MNU18-180DFI



MVU14-156DM

16-14

MNU14-156DFI



MVU14-180DM

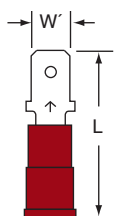
16-14

MNU14-180DFI

## 3M™ Male Disconnects — Nylon Insulated with Insulation Grip



Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W') x Thickness	L	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per:	
								Carton	Case
MNG18-187DMK	02377	22-18	0.187 x 0.020	0.84	0.24	0.080	0.145	—	1000
MNG18-250DMX	02365	22-18	0.250 x 0.032	0.92	0.25	0.065	0.145	100	500
MNG18-250DMK	02378	22-18	0.250 x 0.032	0.92	0.25	0.065	0.145	—	1000
MNG14-187DMX	23003	16-14	0.187 x 0.020	0.84	0.24	0.080	0.145	100	500
MNG14-187DMK	01787	16-14	0.187 x 0.020	0.84	0.24	0.080	0.145	—	1000
MNG14-250DMX	23011	16-14	0.250 x 0.032	0.94	0.25	0.085	0.170	100	500
MNG14-250DMK	01788	16-14	0.250 x 0.032	0.94	0.25	0.085	0.170	—	1000
MNG10-250DMX	23938	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250	50	500
MNG10-250DMK	02058	12-10	0.250 x 0.032	1.05	0.25	0.150	0.250	—	500



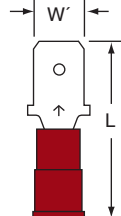
MNG18-187DM

Wire Range

22-18

Suggested Mate

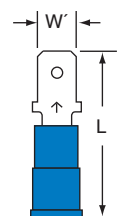
MNG18-187DF



MNG18-250DM

22-18

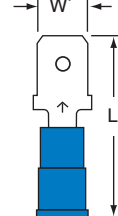
MNG18-250DF



MNG14-187DM

16-14

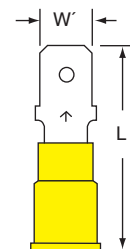
MNG14-187DF



MNG14-250DM

16-14

MNG14-250DF



MNG10-250DM

12-10

MNG10-250DF

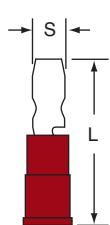
<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.



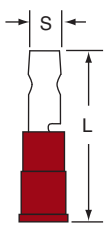
## 3M™ Male Disconnects — Nylon Insulated with Insulation Grip Bullet Style



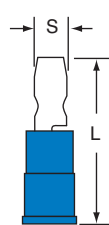
Product Number <sup>1</sup>	UPC (051138-)	Wire Range (AWG)	Mating Snap Diameter		Maximum Insulation Diameter	Terminals per:	
			S	L		Carton	Case
MNG18-156DMK-A	98088	22-18	0.156	0.87	0.15	—	1000
MNG18-180DMK-A	98100	22-18	0.180	0.87	0.15	—	1000
MNG14-156DMX-A	98139	16-14	0.156	0.87	0.19	100	500
MNG14-156DMK-A	98137	16-14	0.156	0.87	0.19	—	1000
MNG14-180DMK-A	98155	16-14	0.180	0.87	0.19	—	1000



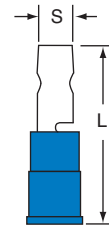
MNG18-156DM-A



MNG18-180DM-A



MNG14-156DM-A



MNG14-180DM-A

Wire Range

22-18

22-18

16-14

16-14

Suggested Mate

MNG18-156DFI

MNG18-180DFI

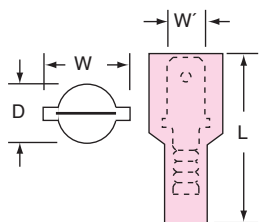
MNG14-156DFI

MNG14-180DFI

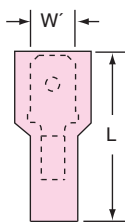
## 3M™ Male Disconnects — Nylon Fully Insulated Butted Seam



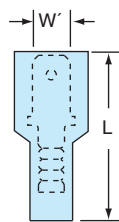
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W') x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per:	
										Carton	Case
MNU18-187DMIX	02354	22-18	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	100	500
MNU18-187DMIK	02379	22-18	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	—	1000
MNU18-250DMIX	02289	22-18	0.250 x 0.032	0.95	0.44	0.30	0.25	0.065	0.145	100	500
MNU18-250DMIK	02299	22-18	0.250 x 0.032	0.95	0.44	0.30	0.25	0.065	0.145	—	1000
MNU14-187DMIX	02381	16-14	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	100	500
MNU14-187DMIK	02385	16-14	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	—	1000
MNU14-250DMIX	02306	16-14	0.250 x 0.032	0.95	0.44	0.30	0.25	0.085	0.170	50	500
MNU14-250DMIK	02300	16-14	0.250 x 0.032	0.95	0.44	0.30	0.25	0.085	0.170	—	1000
MNU10-250DMIX	02307	12-10	0.250 x 0.032	1.05	0.47	0.39	0.25	0.150	0.250	50	500
MNU10-250DMIK	02301	12-10	0.250 x 0.032	1.05	0.47	0.39	0.25	0.150	0.250	—	500



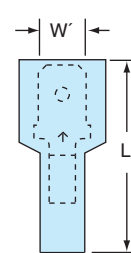
MNU18-187DMI



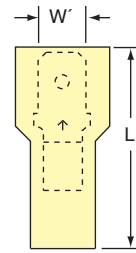
MNU18-250DMI



MNU14-187DMI



MNU14-250DMI



MNU10-250DMI

Wire Range

22-18

22-18

16-14

16-14

12-10

Suggested Mate

MNU18-187DFI

MNU18-250DFI

MNU14-187DFI

MNU14-250DFI

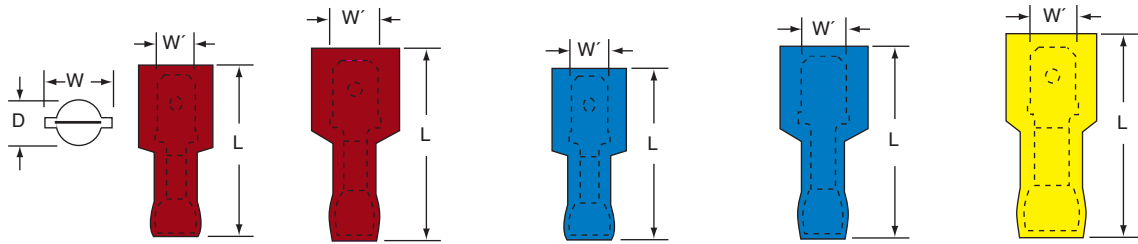
MNU10-250DFI

<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.

## 3M™ Male Disconnects — Nylon Fully Insulated with Insulation Grip



Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W') x Thickness	L	W	D	Barrel Length	Barrel I.D.	Maximum Insulation Diameter	Terminals per: Carton	Case
MNG18-187DMIX	11710	22-18	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	100	500
MNG18-187DMIK	11794	22-18	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	—	1000
MNG18-250DMIX	11711	22-18	0.250 x 0.032	0.95	0.44	0.30	0.25	0.065	0.145	100	500
MNG18-250DMIK	02302	22-18	0.250 x 0.032	0.95	0.44	0.30	0.25	0.065	0.145	—	1000
MNG14-187DMIX	11722	16-14	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	100	500
MNG14-187DMIK	02386	16-14	0.187 x 0.020	0.87	0.37	0.30	0.24	0.080	0.145	—	1000
MNG14-250DMIX	11723	16-14	0.250 x 0.032	0.95	0.44	0.30	0.25	0.085	0.170	100	500
MNG14-250DMIK	02249	16-14	0.250 x 0.032	0.95	0.44	0.30	0.25	0.085	0.170	—	1000
MNG10-250DMIX	11729	12-10	0.250 x 0.032	1.05	0.47	0.39	0.25	0.150	0.250	50	500
MNG10-250DMIK	02303	12-10	0.250 x 0.032	1.05	0.47	0.39	0.25	0.150	0.250	—	500



MNG18-187DMI

MNG18-250DMI

MNG14-187DMI

MNG14-250DMI

MNG10-250DMI

Wire Range

22-18

22-18

16-14

16-14

12-10

Suggested Mate

MNG18-187DFI

MNG18-250DFI

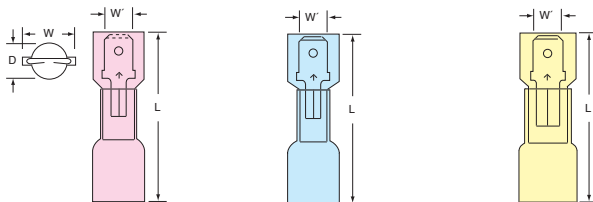
MNG14-187DFI

MNG14-250DFI

MNG10-250DFI

## 3M™ Male Disconnects — Heat Shrink Nylon Fully Insulated Butted Seam

Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Male Tab Width (W') x Thickness	L	W	D	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MNHU18-250DMIX	06356	22-18	0.250 x 0.032	1.2	0.44	0.30	0.25	0.065	25	100
MNHU18-250DMIK	06357	22-18	0.250 x 0.032	1.2	0.44	0.30	0.25	0.065	—	250
MNHU14-250DMIX	06340	16-14	0.250 x 0.032	1.2	0.44	0.30	0.25	0.085	25	100
MNHU14-250DMIK	06341	16-14	0.250 x 0.032	1.2	0.44	0.30	0.25	0.085	—	250
MNHU10-250DMIX	06316	12-10	0.250 x 0.032	1.2	0.47	0.39	0.25	0.150	25	100
MNHU10-250DMIK	06317	12-10	0.250 x 0.032	1.2	0.47	0.39	0.25	0.150	—	250



MNHU18-250DMI

MNHU14-250DMI

MNHU10-250DMI

Wire Range

22-18

16-14

12-10

Suggested Mate

MNHU18-250DFI

MNHU14-250DFI

MNHU10-250DFI

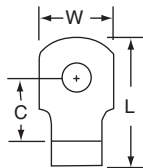
<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.

# Flags and Multi-Stack Disconnects

## 3M™ Flags — Non-Insulated Ring Type



Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-6R/FLAG	01294	22-18	6	0.38	0.34	0.66	0.030	0.26	0.070	1000

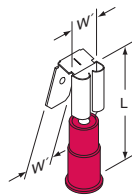


MU18-6R/FLAG

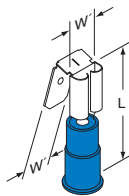
Stud Size	6
Wire Range	22-18

## 3M™ Multi-Stack Disconnects — Vinyl Insulated Butted Seam

Product Number <sup>1</sup>	UPC (051138-)	Wire Range (AWG)	Mates with Female & Male Width (W') x Thickness	L	Maximum Insulation Diameter	Terminals per: Carton	Case
MVU18-250DMFX-A	98063	22-18	0.250 x 0.032	0.87	0.145	100	500
MVU18-250DMFK-A	98062	22-18	0.250 x 0.032	0.87	0.145	—	1000
MVU14-250DMFX-A	98074	16-14	0.250 x 0.032	0.87	0.170	100	500
MVU14-250DMFK-A	98073	16-14	0.250 x 0.032	0.87	0.170	—	1000



MVU18-250DMF-A



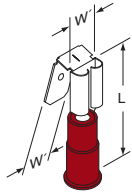
MVU14-250DMF-A

Wire Range	22-18	16-14
Suggested Mate	0.250 Male/Female	0.250 Male/Female

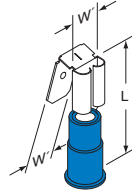
<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.

## 3M™ Multi-Stack Disconnects — Vinyl Insulated Butted Seam

Product Number <sup>1</sup>	UPC (051138-)	Wire Range (AWG)	Mates with Female & Male Width (W') x Thickness	L	Maximum Insulation Diameter	Terminals per Case
MNG18-250DMFX-A	98059	22-18	0.250 x 0.032	0.86	0.145	1000
MNG18-250DMFK-A	98058	22-18	0.250 x 0.032	0.86	0.145	1000
MNG14-250DMFX-A	98068	16-14	0.250 x 0.032	0.88	0.170	1000
MNG14-250DMFK-A	98067	16-14	0.250 x 0.032	0.88	0.170	1000



MNG18-250DMF-A



MNG14-250DMF-A

Wire Range

22-18

16-14

Suggested Mate

0.250 Male/Female

0.250 Male/Female

## Adapters

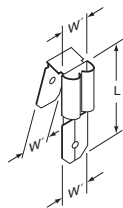
### 3M™ Adapters — Non-Insulated Double Male-Female



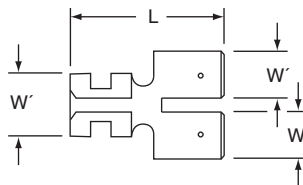
Product Number <sup>1</sup>	UPC (054007-)	Mates with Female & Male Width (W') x Thickness	L	Terminals per: Carton	Case
MA250DMFMX-A*	57452**	0.250 x 0.032	0.78	50	500
MA250DMFMK-A*	57451**	0.250 x 0.032	0.78	—	500
MA250DMMFX	02308	0.250 x 0.032	0.76	50	500
MA250DMMFK	02273	0.250 x 0.032	0.76	—	500

\* Not UL Listed or CSA Certified

\*\* UPC prefix 051128-



MA250DMFM-A



MA250DMMF

Suggested Mate

0.250 Males (2)/Female

0.250 Males (2)/Female

Suggested Mate

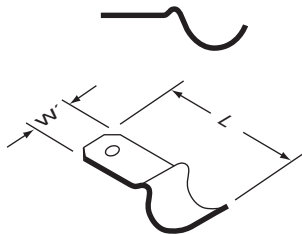
0.250 Male/Female

0.250 Male/Female

<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.

## 3M™ Adapters — Non-Insulated Male Fuse-Clip

Product Number*	UPC (054007-)	Male Tab Width (W') x Thickness	L	Terminals per Case
MA250DM/FUSEK	02269	0.250 x 0.030	0.77	500

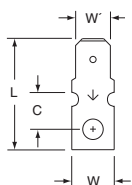


MA250DM/FUSE

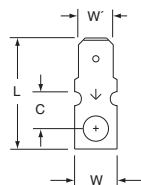
Suggested Mate                    0.250 Female/Fuse  
 Suggested Mate                    0.250 Male/Female

## 3M™ Adapters — Non-Insulated Male Rectangular Tongue

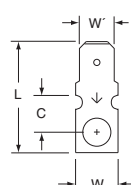
Product Number*	UPC (054007-)	Stud Size	Male Tab Width (W') x Thickness	W	C	L	Terminals per Case
MA250DM/6RRK	02225	6	0.250 x 0.032	0.30	0.26	0.80	500
MA250DM/8RRK	02226	8	0.250 x 0.032	0.30	0.26	0.80	500
MA250DM/10RRK	02227	10	0.250 x 0.032	0.30	0.26	0.80	500



MA250DM/6RR



MA250DM/8RR

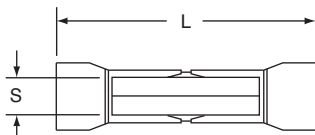


MA250DM/10RR

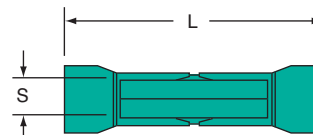
Suggested Mate                    0.250 Female Disconnect                    0.250 Female Disconnect                    0.250 Female Disconnect

## 3M™ Adapters — Vinyl Insulated Double Female Disconnect

Product Number*	UPC (054007-)	Male Tab Width (W') x Thickness	L	Terminals per Case
MVA156DFFIK	14358	0.156	1.31	500
MVA180DFFIK	02236	0.180	1.31	500



MVA156DFFI



MVA180DFFI

Suggested Mate                    0.156 Male Bullets  
 Suggested Mate                    0.250 Male/Female

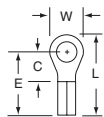
0.180 Male Bullets  
 0.250 Male/Female

\*Product number ending in X = box; product number ending with K = bulk.

# High Temperature

## 3M™ High Temperature Ring Tongues\* — Butted Seam 900°F (482°C)

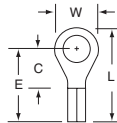
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton	Case
MU18-6RHT/SX	49607	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070	100	500
MU18-6RHT/SK	01297	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070	—	1000
MU18-10RHTX	49608	22-18	10	0.33	0.29	0.70	0.54	0.030	0.25	0.070	100	500
MU18-10RHTK	01155	22-18	10	0.33	0.29	0.70	0.54	0.030	0.25	0.070	—	1000
MU14-6RHT/SX	49629	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090	100	500
MU14-6RHT/SK	01758	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090	—	1000
MU14-10RHTX	15629	16-14	10	0.33	0.29	0.70	0.54	0.030	0.25	0.090	100	500
MU14-10RHTK	01759	16-14	10	0.33	0.29	0.70	0.54	0.030	0.25	0.090	—	1000
MU14-14RHTX	49630	16-14	1/4	0.56	0.40	0.93	0.65	0.030	0.25	0.090	100	500
MU14-14RHTK	01760	16-14	1/4	0.56	0.40	0.93	0.65	0.030	0.25	0.090	—	1000
MU10-10RHTX	15637	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	50	500
MU10-10RHTK	02045	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135	—	500
MU10-14RHTK	02046	12-10	1/4	0.59	0.44	0.99	0.69	0.040	0.25	0.135	—	500
MU8-14RHT/SK	02142	8	1/4	0.47	0.40	0.95	0.71	0.050	0.31	0.185	—	200
MU6-38RHTK	02171	6	3/8	0.63	0.52	1.22	0.91	0.050	0.39	0.255	—	200
MU4-38RHTK	02196	4	3/8	0.68	0.53	1.34	1.00	0.075	0.47	0.285	—	200



MU18-6RHT/S

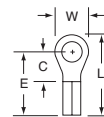
Stud Size  
Wire Range

6  
22-18



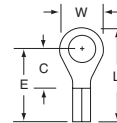
MU18-10RHT

10  
22-18



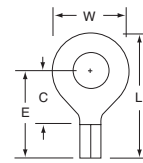
MU14-6RHT/S

6  
16-14



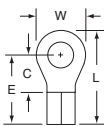
MU14-10RHT

10  
16-14



MU14-14RHT

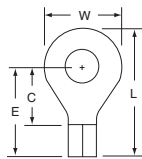
1/4  
16-14



MU10-10RHT

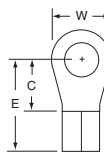
Stud Size  
Wire Range

10  
12-10



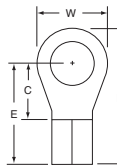
MU10-14RHT

1/4  
12-10



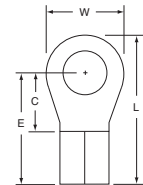
MU8-14RHT/S

1/4  
8



MU6-38RHT

3/8  
6



MU4-38RHT

3/8  
4

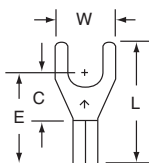
\*Steel with nickel plating

<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.

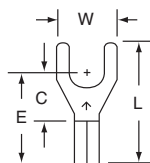


### 3M™ High Temperature Standard Forks\* — Butted Seam 900°F (482°C)

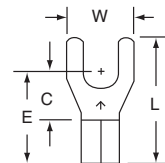
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-10FHTK	01333	22-18	10	0.34	0.29	0.70	0.54	0.030	0.25	0.070	1000
MU14-10FHTK	01842	16-14	10	0.34	0.29	0.70	0.54	0.030	0.25	0.090	1000
MU10-10FHTK	02095	12-10	10	0.38	0.28	0.73	0.53	0.040	0.25	0.135	500



MU18-10FHT



MU14-10FHT



MU10-10FHT

Stud Size

10

10

10

Wire Range

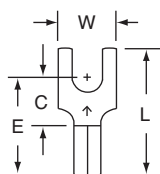
22-18

16-14

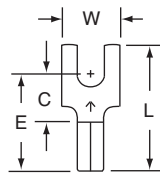
12-10

### 3M™ High Temperature Block Forks\* — Butted Seam 900°F (482°C)

Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Terminals per Case
MU18-6FBHTK	01334	22-18	6	0.30	0.25	0.65	0.50	0.030	0.25	0.070	1000
MU14-6FBHTK	01843	16-14	6	0.30	0.25	0.65	0.50	0.030	0.25	0.090	1000



MU18-6FBHT



MU14-6FBHT

Stud Size

6

6

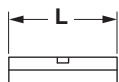
Wire Range

22-18

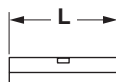
16-14

### 3M™ High Temperature Butt Connectors\* — Butted Seam 900°F (482°C)

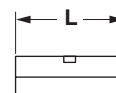
Product Number <sup>1</sup>	UPC (054007-)	Wire Range (AWG)	L	Thickness	Barrel Length	Barrel I.D.	Terminals per: Carton Case
MU18BCHTX	49609	22-18	0.56	0.030	0.25	0.070	100 500
MU18BCHTK	01299	22-18	0.56	0.030	0.25	0.070	— 1000
MU14BCHTX	49631	16-14	0.56	0.030	0.25	0.090	100 500
MU14BCHTK	01761	16-14	0.56	0.030	0.25	0.090	— 1000
MU10BCHTX	49645	12-10	0.56	0.040	0.25	0.135	50 500
MU10BCHTK	02232	12-10	0.56	0.040	0.25	0.135	— 500



MU18BCHT



MU14BCHT



MU10BCHT

Wire Range

22-18

16-14

12-10

\*Steel with nickel plating

<sup>1</sup>Product number ending in X = box; product number ending with K = bulk.