

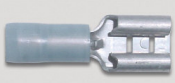







QUICK DISCONNECTS

FEMALE				
Wire Range	Tab Size	Non-insulated	P.V.C.	Nylon
22-18	.110X.020	FR1A 110	FR4A 110	FR6A 110
	.187X.020	FR1A 187	FR4A 187	FR6A 187
	.250X.032	FR1A 250	FR4A 250	FR6A 250
16-14	.110X.020	FR1B 110	FR4B 110	FR6B 110
	.187X.020	FR1B 187	FR4B 187	FR6B 187
	.250X.032	FR1B 250	FR4B 250	FR6B 250
12-10	.250X.032	FR1C 250	FR4C 250	FR6C 250

FEATURES: The tin plated brass connector features the rolled edge design for maximum spring-like insertion/withdrawal force. Protruding lip and beveled floor with detent aid in insertion and retention of tab and a wire stop prevents over-insertion of stripped wire. Other sizes and styles available. Check with factory for .187 x .032 size parts.

MALE				
Wire Range	Tab Size	Non-insulated	P.V.C.	Nylon
22-18	.187X.020	MT1A 187	MT4A 187	MT6A 187
	.250X.032	MT1A 250	MT4A 250	MT6A 250
16-14	.187X.020	MT1B 187	MT4B 187	MT6B 187
	.250X.032	MT1B 250	MT4B 250	MT6B 250
12-10	.250X.032	MT1C 250	MT4C 250	MT6C 250

FEATURES: Pure copper tab plated with zinc chromate for maximum insertion/withdrawal values affording greater corrosion resistance. Lip for easier insertion. NOTE: Consult factory for .187 x .032 size parts.

Add suffix "M" for 1000 pack

Add suffix "P" for Pro Pack (Quantities vary by Part #)

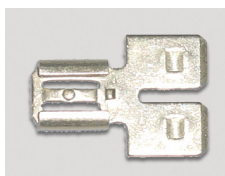
P.V.C. & Nylon disconnects rated -55°C to 105°C

Approved installation tool: RHT-1992/192850004,

RHT-1990/192840010/11/13 (insulated)

Economy installation tools: 453, HTS1000, RAT-NINS, RAT-DISC (insulated)

DUAL ADAPTERS

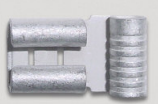


Part Number **MMFA** Converts one .250 x .032" male tab to two male tabs. Dual Male-Female Adapter. Also Available in .187 x .020 Part Number **MMFA187**



Copper Stranded Wire Only
(All items listed on this page)

FLAG DISCONNECTS

		
Wire Range	Tab Size	Non-insulated
22-18	.187X.020	FLFR1A 187†
	.250X.032	FLFR1A 250†
16-14	.187X.020	FLFR1B 187†
	.250X.032	FLFR1B 250†
12-10	.250X.032	FLFR1C 250*††

Add suffix "M" for 1000 pack

Add suffix "P" for Pro Pack
(Quantities vary by Part #)

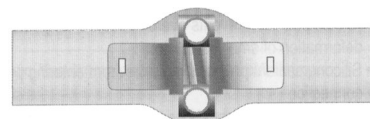
†Approved installation tool: RHT-NIFG/192840031

††Economy installation tool: HTS2000

* Not CSA or UL Listed

RECEPTACLES

INSULATED TAB RECEPTACLE



Part No. **MDT250** For connecting two .250 x .032 Female Quick Disconnects



HOW TO SELECT THE PROPER CRIMP TERMINAL

Part #	R	4	B	6	S
Example	Tongue	Barrel Type	Wire Range	Stud Size	Special

Tongue

R = Ring	CFR = Female Disconnect, fully insulated	FLFR = Female Flag Disconnect	PG = Piggy Back Female/Male Disconnect/Tab
BS = Block Spade	FR = Female Disconnect	SF = Flanged Spade	
S = Spade	CM(X)T = Male Tab, fully insulated	LS = Locking Spade	
B = Butt Splice	MT = Male Tab	P = Parallel Splice	

Barrel Type 1 Butted Seam

Pure electrolytic copper, annealed, electro-tin plated for corrosion resistance, designed with deep internal serration for firm wire grip

2 Brazed Seam

Same as type 1, except with a brazed seam to ensure maximum strength of wire terminators

4 Vinyl Insulation

Same as type 1 with a NEMA colour-coded, funneled, vinyl insulating sleeve which when crimped, grips the wire insulation to avoid flexing at point of crimps. UL rated at 90°C, 600V

4N Nylon Insulation (No Brass Sleeve)

Same as type 1 with a colour-coded nylon insulating sleeve without brass sleeve. UL rated at 105°C, 600V

6 Nylon Insulation (With Brass Sleeve)

Same as type 1 with NEMA colour coded, nylon insulating sleeve or over a tin plated brass sleeve which offers maximum crimp strength where extreme vibration and flexing are encountered. UL rated at 105°C, 600V

7 Seamless Tube

Pure electrolytic copper, seamless, annealed and electro-tin plated for extra strength in a crimp

8 Nylon Insulation Seamless Tube

Same as type 7 with a nylon insulation for use where excessive vibration will be encountered.

9 High Temperature

Nickel-plated, cold rolled steel, butted seam terminals for temperatures up to 900°F

Wire Range

Code	A	B	C	E	F	G
Range (AWG)	22-18	16-14	12-10	8	6	4

Stud Size

Code	6	8	10	14		
Stud Size	#6	#8	#10	1/4"		
Code	56	38	50	110	187	250
Stud Size	5/16"	3/8"	1/2"	.110 NEMA Tab	.187 NEMA Tab	.250 NEMA Tab

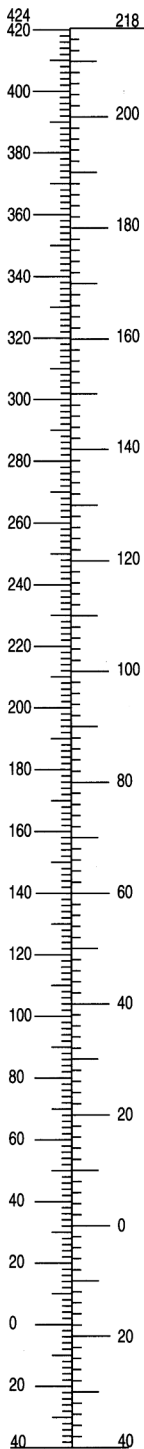
Special

-- Standard
 S Small/Narrow Tongue
 F Fully Insulated

CONVERSION TABLES

B

FAHRENHEIT TO CENTIGRADE CONVERSION SCALE



INCHES TO MILLIMETERS CONVERSION SCALE



Wire gauge conversion to decimal equivalents

INCH FRAC.	INCH DEC.	MILLI- METERS	INCH FRAC.	INCH DEC.	MILLI- METERS
1/64	.0156	0,397	33/64	.5156	13,097
1/32	.0312	0,794	17/32	.5312	13,494
3/64	.0468	1,191	35/64	.5468	13,891
1/16	.0625	1,588	9/16	.5625	14,288
5/64	.0781	1,984	37/64	.5781	14,684
3/32	.0937	2,381	19/32	.5937	15,081
7/64	.1093	2,778	39/64	.6093	15,478
1/8	.1250	3,175	5/8	.6250	15,875
9/64	.1406	3,572	41/64	.6406	16,272
5/32	.1562	3,969	21/32	.6562	16,669
11/64	.1718	4,366	43/64	.6718	17,066
3/16	.1875	4,763	11/16	.6875	17,463
13/64	.2031	5,159	45/64	.7031	17,859
7/32	.2187	5,556	23/32	.7187	18,256
15/64	.2343	5,954	47/64	.7343	18,653
1/4	.2500	6,350	3/4	.7500	19,050
17/64	.2656	6,747	49/64	.7656	19,447
9/32	.2812	7,144	25/32	.7812	19,844
19/64	.2968	7,541	51/64	.7968	20,241
5/16	.3125	7,938	13/16	.8125	20,638
21/64	.3281	8,334	53/64	.8281	21,034
11/32	.3437	8,731	27/32	.8437	21,431
26/64	.3593	9,128	55/64	.8593	21,828
3/8	.3750	9,525	7/8	.8750	22,225
25/64	.3906	9,922	57/64	.8906	22,622
13/32	.4062	10,319	29/32	.9062	23,019
27/64	.4218	10,716	59/64	.9218	23,416
7/16	.4375	11,113	15/16	.9375	23,813
29/64	.4531	11,509	64/64	.9531	24,209
15/32	.4687	11,906	31/32	.9687	24,606
31/64	.4843	12,303	63/64	.9843	25,003
1/2	.5000	12,700	1	1.000	25,400

Move decimal point three places to the right to read mills.

DIAMETER			DIAMETER		
AWG	INCHES	CMA	AWG	INCHES	CMA
4/0	.460	212,000	12	.081	6,530
3/0	.410	168,000	13	.072	5,180
2/0	.365	133,000	14	.064	4,110
1/0	.325	106,000	15	.057	3,260
1	.289	83,700	16	.051	2,580
2	.258	66,400	17	.045	2,050
3	.229	52,600	18	.040	1,620
4	.204	41,700	19	.036	1,290
5	.182	33,100	20	.032	1,020
6	.162	26,300	21	.0285	810
7	.144	20,800	22	.0253	642
8	.128	16,500	23	.0226	509
9	.114	13,100	24	.0201	404
10	.102	10,400	25	.0179	320

AWG	mm ²	Standard wires mm ²			
26-22	0.1-0.4	0.14	0.20	0.25	0.35
22-16	0.25-1.6	0.25	0.35	0.50	0.75 1.0 1.5
16-14	1.0-2.6	1.0	1.5	2.5	
12-10	2.7-6.6	4.0	6.0		
8	6.6-10.5	10			
6	10.5-16.8	16			
4	16.8-26.6	2.5			
2	26.6-42.4	35			
1/0	42.4-60.5	50			
2/0	60.5-76.2	70			
3/0	76.2-96.3	95			
4/0	96.3-117.0	120			

Hole diameter #10 and 3/8" are available in metric ref.

#10	.190	.209 (5,31)	M5
3/8"	.375	.413 (10,5)	M9-10

* All decimals plus or minus .003"
Fractions plus or minus .055".

Stud size with hole sizes.

STANDARD STUD SIZE	SCEW DIA. (")	ETC HOLE DIA. INCH/mm	DIN.
#0	.060	.094 (2,39)	M1,7-2,2
#1	.073		
#2	.086		
#3	.099	.120 (3,025)	M2,6
#4	.112		
#5	.125	.146 (3,71)	M3-3,5
#6	.138		
#8	.164	.173 (4,39)	M4
#10	.190	.198 (5,03)	
#12	.216	.17/64 (6,75)	M6
#14	.242		
1/4"	.250		
5/16"	.312	.21/64 (8,33)	M8
3/8"	.375	.25/64 (9,92)	M9
7/16"	.437	.29/64 (11,51)	M11
1/2"	.500	.33/64 (13,10)	M12
5/8"	.625	.21/32 (16,67)	M16
3/4"	.750	.25/32 (19,84)	M18
7/8"	.875	.29/32 (23,02)	M20
1"	1.000	1-1/32 (26,19)	M25