

3M Terminals, Tools, Lugs and Connectors

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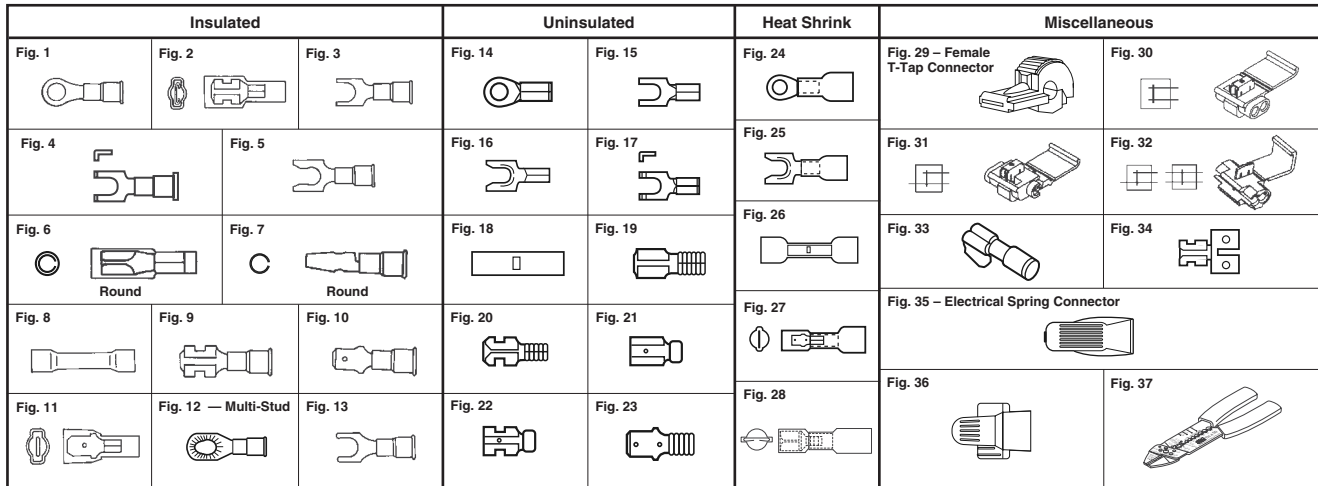


Fig.	AWG	Stud Size	Insul. Dia. Inch (mm)	Digi-Key Part No.	Pricing				3M Part No.
					10	50	100	500	
Insulated									
1	26-24 Yellow	#2	.145 (3.68)	920010-30-ND	10.09	36.77	64.90	266.78	MN24-2RK
1		#4		920010-31-ND	9.66	35.17	62.07	255.19	MN24-4RK
1		#6		920010-32-ND	9.66	35.17	62.07	255.19	MN24-6RK
1		#8		920010-33-ND	9.66	35.17	62.07	255.19	MN24-8RK
1		#10		920010-34-ND	9.66	35.17	62.07	255.19	MN24-10RK
1	22-18 Red	#4	.145 (3.68)	920010-35-ND	2.60	9.45	16.68	68.60	MVU18-4R/SK
1		#6		920010-01-ND	2.60	9.45	16.68	68.60	MVU18-6R/SK
1		#8		920010-02-ND	2.60	9.45	16.68	68.60	MVU18-8R/LK
1		#10		920010-03-ND	2.60	9.45	16.68	68.60	MVU18-10R/LK
1		1/4		920010-04-ND	3.03	11.05	19.50	80.16	MVU18-14R/SK
1	16-14 Blue	5/16	.170 (4.32)	920010-36-ND	3.86	14.06	24.81	102.00	MVU18-516R/SK
1		3/8		920010-37-ND	3.86	14.06	24.81	102.00	MVU18-38RK
3		#4		920020-16-ND	2.60	9.45	16.68	68.60	MVU18-4FB/SK
3		#6		920022-01-ND	2.60	9.45	16.68	68.60	MVU18-6FB/SK
3		#8		920022-02-ND	2.60	9.45	16.68	68.60	MVU18-8FBK
3	12-10 Yellow	#10	.250 (6.35)	920020-17-ND	2.60	9.45	16.68	68.60	MVU18-10FBK
4		#6		920022-14-ND	3.03	11.05	19.49	80.15	MVU18-6FBK
4		#8		920022-15-ND	3.03	11.05	19.49	80.15	MVU18-8FBK
4		#10		920022-16-ND	3.03	11.05	19.49	80.15	MVU18-10FBK
5		#4		920024-01-ND	2.80	10.22	18.03	74.14	MVU18-4FLK
5	12-10 Yellow	#6	.250 (6.35)	920024-02-ND	2.80	10.22	18.03	74.14	MVU18-6FLK
5		#8		920024-03-ND	2.80	10.22	18.03	74.14	MVU18-8FLK
5		#10		920024-04-ND	2.80	10.22	18.03	74.14	MVU18-10FLK
6		1.56"		920048-03-ND	6.45	23.50	41.47	170.48	MNG18-156DFIK
7		1.56"		920050-01-ND	2.77	10.08	17.80	73.18	MVU18-156DMK
8	12-10 Yellow	—	.170 (4.32)	920030-01-ND	2.76	10.04	17.72	72.86	MVU18-BCK
9		.187"		920040-01-ND	2.74	9.98	17.61	72.42	MVU18-187DFK
9		.250"		920040-02-ND	2.74	9.98	17.61	72.42	MVU18-250DFK
10		.187"		920042-01-ND	2.69	9.80	17.29	71.08	MVU18-187DMK
10		.250"		920042-02-ND	2.53	9.24	16.31	67.04	MVU18-250DMK
2	12-10 Yellow	.187"	.170 (4.32)	920044-01-ND	3.99	14.53	25.65	105.44	MNU18-187DFK
2		.250"		920044-02-ND	3.99	14.53	25.65	105.44	MNU18-250DFK
11		.187"		920044-23-ND	4.12	15.01	26.48	108.86	FDI18-250C
11		.250"		920046-01-ND	4.46	16.26	28.69	117.97	MNU18-187DMK
12		6/8/10		920046-02-ND	4.46	16.26	28.69	117.97	MNU18-250DMK
1	12-10 Yellow	#4	.170 (4.32)	920010-38-ND	2.60	9.45	16.68	68.60	MVU14-4R/SK
1		#6		920010-39-ND	2.60	9.45	16.68	68.60	MVU14-6R/SK
1		#8		920010-05-ND	2.60	9.45	16.68	68.60	MVU14-8R/SK
1		#10		920010-06-ND	2.60	9.45	16.68	68.60	MVU14-10R/SK
1		1/4		920010-08-ND	3.03	11.05	19.50	80.16	MVU14-14R/SK
1	12-10 Yellow	5/16	.170 (4.32)	920010-40-ND	3.86	14.06	24.81	102.00	MVU14-516R/SK
1		3/8		920010-41-ND	3.86	14.06	24.81	102.00	MVU14-38RK
13		#6		920020-01-ND	2.60	9.45	16.68	68.60	MVU14-6FK
13		#8		920020-02-ND	2.60	9.45	16.68	68.60	MVU14-8FK
3		#4		920020-18-ND	2.60	9.45	16.68	68.60	MVU14-4FB/SK
3	12-10 Yellow	#6	.170 (4.32)	920022-03-ND	2.60	9.45	16.68	68.60	MVU14-6FB/SK
3		#8		920022-04-ND	2.60	9.45	16.68	68.60	MVU14-8FBK
3		#10		920020-19-ND	2.60	9.45	16.68	68.60	MVU14-10FBK
4		#6		920022-17-ND	3.03	11.05	19.49	80.15	MVU14-6FBK
4		#8		920022-18-ND	3.03	11.05	19.49	80.15	MVU14-8FBK
4	12-10 Yellow	#10	.250 (6.35)	920022-19-ND	3.03	11.05	19.49	80.15	MVU14-10FBK
5		#6		920024-04-ND	2.80	10.22	18.03	74.14	MVU14-6FLK
5		#8		920024-05-ND	2.80	10.22	18.03	74.14	MVU14-8FLK
5		#10		920024-06-ND	2.80	10.22	18.03	74.14	MVU14-10FLK
7		1.56"		920050-02-ND	2.77	10.08	17.80	73.18	MVU14-156DMK
8	12-10 Yellow	—	.170 (4.32)	920030-02-ND	2.76	10.04	17.72	72.86	MVU14-BCK
9		.187"		920040-03-ND	2.74	9.98	17.61	72.42	MVU14-187DFK
9		.250"		920040-04-ND	2.74	9.98	17.61	72.42	MVU14-250DFK
10		.187"		920042-03-ND	2.69	9.80	17.29	71.08	MVU14-187DMK
10		.250"		920042-04-ND	2.69	9.80	17.29	71.08	MVU14-250DMK
2	12-10 Yellow	.187"	.170 (4.32)	920044-03-ND	3.99	14.53	25.65	105.44	MNU14-187DFK
2		.250"		920044-04-ND	3.99	14.53	25.65	105.44	MNU14-250DFK
11		.187"		920044-23-ND	4.12	15.01	26.48	108.86	FDI14-250C
11		.250"		920046-03-ND	4.46	16.26	28.69	117.97	MNU14-187DMK
12		6/8/10		920046-04-ND	4.46	16.26	28.69	117.97	MNU14-250DMK
1	12-10 Yellow	#4	.250 (6.35)	920010-58-ND	3.50	12.76	22.52	92.57	MV14-610R
1		#6		920010-43-ND	3.17	11.51	20.33	83.56	MVU10-6RK
1		#8		920010-09-ND	3.17	11.51	20.33	83.56	MVU10-8RK
1		#10		920010-10-ND	3.17	11.51	20.33	83.56	MVU10-10RK
1		1/4		920010-11-ND	4.23	15.39	27.17	111.68	MVU10-14R/SK
1	12-10 Yellow	5/16	.250 (6.35)	920010-44-ND	4.23	15.39	27.17	111.68	MVU10-516R/SK
1		3/8		920010-12-ND	4.23	15.39	27.17	111.68	MVU10-38R/SK

Fig.	AWG	Stud Size	Insul. Dia. Inch (mm)	Digi-Key Part No.	Pricing				3M Part No.
					10	50	100	500	
2	12-10 Yellow	#6	.250 (6.35)	920020-03-ND	3.17	11.51	20.33	83.56	MVU10-6FK
2		#8		920020-04-ND	3.17	11.51	20.33	83.56	MVU10-8FK
2		#10		920020-05-ND	3.17	11.51	20.33	83.56	MVU10-10FK
4		#6		920022-20-ND	3.70	13.45	23.73	97.57	MVU10-6FFBK
4		#8		920022-21-ND	3.70	13.45	23.73	97.57	MVU10-8FFBK
4	12-10 Yellow	#10	.250 (6.35)	920022-22-ND	3.70	13.45	23.73	97.57	MVU10-10FFBK
5		#6		920024-07-ND	4.03	14.69	25.92	106.54	MVU10-6FLK
5		1/4		920024-13-ND	4.65	16.97	29.93	123.07	MVU10-14FLK
8		#6		920030-03-ND	3.40	12.41	21.89	89.99	MVU10BCK
9		250"		920040-06-ND	5.10	18.57	32.77	134.74	MVU10-250DFK
10	12-10 Yellow	250"	.250 (6.35)	920044-21-ND	5.59	20.37	35.94	147.78	MNU10-250DFK
2		250"		920044-05-ND	3.35	12.18	21.50	88.36	MVU10-250DMK
11		6/8/10		920046-05-ND	6.06	22.07	38.96	160.14	MNU10-250DMK
12		250"		920010-59-ND	4.63	16.87	29.78	122.43	MVU10-610R
Uninsulated — RoHS Compliant									
14	22-18 Red	#4	.145 (3.68)	920010-13-ND	1.34	4.89	8.62	35.44	MU18-4R/SK
14		#6		920010-14-ND	1.34	4.89	8.62	35.44	MU18-6R/SK
14		#8		920010-15-ND	1.34	4.89	8.62	35.44	MU18-8R/LK
14		#10		920010-16-ND	1.27	4.62	8.15	33.53	MU18-10R/LK
14		1/4		920010-17-ND	2.11	7.69	13.57	55.78	MU18-14R/SK
15	22-18 Red	#4	.145 (3.68)	920020-06-ND	1.34	4.89	8.62	35.44	MU18-4FB/SK
15		#6		920020-07-ND	1.34	4.89	8.62	35.44	MU18-6FB/SK
15		#8		920020-08-ND	1.45	5.30	9.35	38.44	MU18-8FBK
15		#10		920020-09-ND	1.34	4.89	8.62	35.44	MU18-10FBK
16		#6		920024-15-ND	1.40	5.09	8.99	36.94	MU18-6FLK
16	12-10 Yellow	#8	.170 (4.32)	920024-16-ND	1.40	5.09	8.99	36.94	MU18-8FLK
17		#10		920024-17-ND	1.40	5.09	8.99	36.94	MU18-10FLK
17		#6		920022-05-ND	1.51	5.09	9.69	39.86	MU18-6FFBK
18		—		920030-07-ND	2.16	7.86	13.87	57.01	M18BCK
14		#4		920010-19-ND	1.34	4.89	8.62	35.44	MU14-4R/SK
14	12-10 Yellow	#6	.170 (4.32)	920010-20-ND	1.34	4.89	8.62	35.44	MU14-6R/SK
14		#8		920010-21-ND	1.34	4.89	8.62	35.44	MU14-8R/LK
14		#10		920010-22-ND	1.34	4.89	8.62	35.44	MU14-10RK
14		1/4		920010-23-ND	2.11	7.69	13.57	55.78	MU14-14R/SK
15		#4		920020-11-ND	1.34	4.89	8.62	35.44	MU14-4FBK
15	16-14 Blue	#6	.170 (4.32)	920020-12-ND	1.34	4.89	8.62	35.44	MU14-6FBK
15		#8		920024-19-ND	1.40	5.09	8.99	36.94	MU14-10FLK
16		#10		920024-21-ND	1.27	4.63	8.17	33.58	MU14-10FLK
16		1/4		920024-22-ND	2.29	8.33	14.71	60.48	MU14-14FLK
17		#8		920022-09-ND	1.30	4.73	8.34	34.29	MU14-8FFBK
17	12-10 Yellow	#10	.250 (6.35)	920022-10-ND	1.30	4.73	8.34	34.29	MU14-10FFBK
18		—		920030-08-ND	2.16	7.86	13.87	57.01	M14BCK
14		#4		920010-24-ND	2.04	7.43	13.12	53.93	MU

3M Terminals, Tools, Lugs and Connectors (Cont.)

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Fig.	AWG	Stud Size	Insul. Dia. Inch (mm)	Digi-Key Part No.	Pricing			3M Part No.	
					10	50	100		
24	16-14 Blue	3/8 #6	.170 (4.32)	920010-53-ND	7.44	30.65	48.17	190.05	MH14-38RK
25		920024-30-ND		6.83	28.11	44.19	174.34	MH14-8FLK	
26		920030-11-ND		6.43	23.39	41.29	169.72	MH14BCK	
24	12-10 Yellow	1/4 #8	.250 (6.35)	920010-55-ND	7.09	25.82	45.56	187.31	MH10-14RK
25		920024-34-ND		6.75	24.59	43.39	178.37	MH10-8FLK	
25		920024-35-ND		6.75	24.59	43.39	178.37	MH10-10FLK	
26		920030-12-ND		8.29	30.20	53.30	219.12	MH10BCK	
27		920042-13-ND		9.86	35.91	63.37	260.51	MNHU10-250DMIK	
27	22-18	—	.250	920042-11-ND	8.20	29.89	52.75	216.86	MNHU18-250DMIK
27	16-14	—	.250	920042-12-ND	8.20	29.89	52.75	216.86	MNHU14-250DMIK
28	22-18	—	.250	920044-18-ND	8.20	29.89	52.75	216.86	MNHU18-250DFIK
28	16-14	—	.250	920044-19-ND	8.20	29.89	52.75	216.86	MNHU14-250DFIK
29	22-18	—	.250	920074-01-ND	3.19	11.62	20.50	84.28	951K
29	18-14	—	.150 (3.81)	920074-02-ND	3.19	11.62	20.50	84.28	952K
29	12	—	—	920074-03-ND	3.43	12.51	22.07	90.74	953K
30	22-18	—	—	920074-06-ND	3.82	13.90	24.54	100.87	557 (BOXED)
31	18-14	—	.120 (3.05s)	920074-07-ND	3.99	14.51	25.61	105.30	558 (BOXED)
32	18-14 Blue	—	.145 (3.68)	920074-08-ND	2.42	8.82	15.57	64.00	560 (BOXED)
923000-I-ND				3M Insulated Terminal Kit — 650 assorted terminals (14 sizes), 200 cable ties (100 each, 2 sizes), one wire marker dispenser, one crimping tool, one reusable metal box, one reordering information card.....				162.75	

Connectors and Crimp Tools

Fig.	AWG	Description	Color	Digi-Key Part No.	Pricing			3M Part No.	
					10	50	100		
Scotchlok™ Connectors									
35	18-10	End Electrical	Clear	920030-14-ND	2.61	9.52	16.79	69.04	MN10CEC/STK
35	14-8	Electrical	Gray	920090-01-ND	5.23	19.08	33.66	138.40	G-BULK
35	22-10	Nylon Spring Connector	Yellow	920074-04-ND	1.42	5.15	9.10	37.40	312-BULK
35	20-8	Connector	Red	920074-05-ND	1.86	6.77	11.94	49.11	512-BULK
36	12-8	Spring Connector	Blue/Green	920090-04-ND	6.04	22.01	38.85	159.70	B/G+BOX
36	22-12		Orange/Blue	920090-05-ND	1.56	5.68	10.03	41.24	O/B+BOX
36	18-8		Red/Yellow	920090-06-ND	2.48	9.03	15.94	65.54	R/Y+BOX
36	22-8	Connector	Tan/Red	920090-07-ND	2.14	7.80	13.76	56.55	T/R+BOX
Crimp Tools									
—	22-10	Ratcheting	—	TR-482-ND	189.55/1			TR-482	
37	26-6	Scissor Style Ratcheting	—	TH-450-ND	45.03/1			TH-450	
—	22-10	Ratcheting	—	TR-490-ND	157.96/1			TR-490	

◆ RoHS Compliant

Terminals

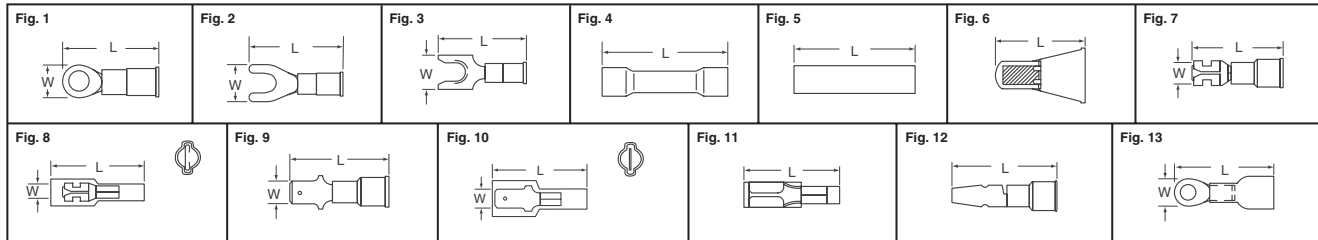


Fig.	AWG	Stud Size	Dim. - Inch		Digi-Key Part No.	Pricing			3M Part No.		
			L	W		10	50	100			
Vinyl Insulated Butted Seam Ring Tongue Terminals											
1	22-18 Red	#6	0.80	0.25	94725-01-ND	1.23	4.47	7.89	32.44	94725	
		#8	0.90	0.33	94727-01-ND	1.23	4.47	7.89	32.44	94727	
		#10	0.90	0.33	94717-01-ND	1.23	4.47	7.89	32.44	94717	
		1/4	1.08	0.47	94719-01-ND	1.47	5.33	9.41	38.68	94719	
	16-14 Blue	#6	0.90	0.33	94736-01-ND	1.23	4.47	7.89	32.44	94736	
		#8	0.90	0.33	94739-01-ND	1.23	4.47	7.89	32.44	94739	
		#10	0.90	0.33	94729-01-ND	1.23	4.47	7.89	32.44	94729	
		1/4	1.08	0.47	94731-01-ND	1.47	5.33	9.41	38.68	94731	
	12-10 Yellow	5/16	1.08	0.47	94735-01-ND	1.74	6.33	11.17	45.93	94735	
		3/8	1.13	0.56	94733-01-ND	1.74	6.33	11.17	45.93	94733	
		#6	0.98	0.28	94751-01-ND	1.51	5.50	9.71	39.89	94751	
		#8	1.03	0.38	94753-01-ND	1.63	5.95	10.49	43.12	94753	
Nylon Insulated with Insulation Grip Ring Tongue Terminals — RoHS Compliant											
1	28-18 Red	#6	0.79	0.25	94724-01-ND	1.87	6.81	12.02	49.43	94724	
		#8	0.89	0.33	94726-01-ND	1.87	6.81	12.02	49.43	94726	
	16-14 Blue	#10	0.89	0.33	94728-01-ND	1.87	6.81	12.02	49.43	94728	
		5/16	1.09	0.47	94734-01-ND	2.02	7.36	12.99	53.39	94734	
		3/8	1.14	0.56	94732-01-ND	2.27	8.25	14.56	59.84	94732	
		8 Red	1/4	1.26	0.47	94754-01-ND	6.03	21.95	38.75	159.29	94754
Vinyl Insulated Braided Seam Ring Tongue Terminals											
1	6 Blue	3/8	1.58	0.63	94759-01-ND	5.84	21.29	37.57	154.46	94759	
		4	3/8	1.74	0.68	94763-01-ND	9.79	43.81	72.16	283.50	94763
		Yellow	1/2	1.74	0.68	94764-01-ND	10.38	46.43	76.48	300.48	94764
Vinyl Insulated Butted Seam Fork Terminals											
2	22-18 Red	#6	0.90	0.34	94769-01-ND	1.18	4.32	7.63	31.36	94769	
		#8	0.90	0.34	94771-01-ND	1.18	4.32	7.63	31.36	94771	
	16-14 Blue	#6	0.90	0.34	94775-01-ND	1.18	4.32	7.63	31.36	94775	
		#8	0.90	0.34	94777-01-ND	1.18	4.32	7.63	31.36	94777	
Vinyl Insulated Butted Seam Locking Fork Terminals											
3	22-18 Red	#6	0.88	0.25	94865-01-ND	1.29	4.68	8.25	33.91	94865	
		#8	0.88	0.30	94867-01-ND	1.29	4.68	8.25	33.91	94867	
	16-14 Blue	#6	0.88	0.25	94873-01-ND	1.29	4.68	8.25	33.91	94873	
		#8	0.88	0.30	94875-01-ND	1.29	4.68	8.25	33.91	94875	
Nylon Insulated with Insulation Grip Locking Fork Terminals — RoHS Compliant											
3	22-18 Red	#6	0.87	0.25	94864-01-ND	1.97	7.16	12.63	51.91	94864	
		#8	0.87	0.30	94866-01-ND	1.97	7.16	12.63	51.91	94866	
		16-14 Blue	#8	0.89	0.30	94874-01-ND	1.71	6.22	10.98	45.13	94874
Vinyl Insulated Butted Seam Butt Connectors											
4	22-18 Red	—	1.02	—	94785-01-ND	1.29	4.68	8.25	33.91	94785	
		16-14 Blue	—	1.02	—	94788-01-ND	1.29	4.68	8.25	33.91	94788
		12-10 Yellow	—	1.05	—	94791-01-ND	1.60	5.82	10.26	42.17	94791
Vinyl Insulated Braided Seam Butt Connectors — RoHS Compliant											
4	8 Red	—	1.43	—	94793-01-ND	5.09	18.55	32.74	134.58	94793	
Nylon Insulated with Insulation Grip Butt Connectors — RoHS Compliant											
4	22-18 Red	—	1.01	—	94784-01-ND	3.70	13.47	23.78	97.78	94784	
Nylon Insulated Seamless Butt Connectors — RoHS Compliant											
5	22-18 Red	—	1.02	—	94786-01-ND	1.82	6.64	11.73	48.22	94786	

Fig.	AWG	Stud Size	Dim. - Inch		Digi-Key Part No.	Pricing			3M Part No.		
			L	W		10	50	100			
5	16-14 Blue	—	—	—	94789-01-ND	1.82	6.64	11.73	48.22	94789	
		12-10 Yellow	—	1.02	—	94792-01-ND	2.33	8.48	14.96	61.51	94792
Nylon Insulated Closed End Connectors — RoHS Compliant											
6	22-18	—	0.83	—	722-N-A-ND	1.06	3.86	6.82	28.05	722-N-A	
		18-10	—	0.85	—	94796-01-ND	1.44	5.26	9.28	38.14	94796
Vinyl Insulated Butted Seam Female Disconnects											
7	22-18 Red	—	0.78	0.187	94800-01-ND	1.29	4.68	8.25	33.91	94800	
		—	0.87	0.250	94804-01-ND	1.29	4.68	8.25	33.91	94804	
		16-14 Blue	—	0.87	0.250	94821-01-ND	1.29	4.68	8.25	33.91	94821
Nylon Insulated with Insulation Grip Female Disconnects — RoHS Compliant											
7	22-18 Red	—	0.77	0.187	94797-01-ND	1.93	7.03	12.40	50.97	94797	
		—	0.86	0.250	94801-01-ND	1.93	7.03	12.40	50.97	94801	
		16-14 Blue	—	0.86	0.250	94818-01-ND	1.93	7.03	12.40	50.97	94818
Fully Nylon Insulated Butted Seam Female Disconnects — RoHS Compliant											
8	22-18 Red	—	0.81	0.187	94799-01-ND	2.10	7.64	13.47	55.40	94799	
		—	0.91	0.250	94803-01-ND	1.93	7.03	12.40	50.97	94803	
		16-14 Blue	—	0.81	0.187	94816-01-ND	2.10	7.64	13.47	55.40	94816
		12-10 Yellow	—	0.91	0.250	94820-01-ND	1.93	7.03	12.40	50.97	94820
Vinyl Insulated Butted Seam Male Disconnects											
9	22-18 Red	—	0.85	0.187	94808-01-ND	1.29	4.68	8.25	33.91	94808	
		—	0.93	0.250	94812-01-ND	1.29	4.68	8.25	33.91	94812	
		16-14 Blue	—	0.93	0.250	94829-01-ND	1.29	4.68	8.25	33.91	94829
12-10 Yellow	—	1.05	0.250	94837-01-ND	1.41	5.13	9.05	37.21	94837		
Nylon Insulated with Insulation Grip Male Disconnects — RoHS Compliant											
9	22-18 Red	—	0.84	0.187	94805-01-ND	1.93	7.03	12.40	50.97	94805	
		—	0.92	0.250	94809-01-ND	1.93	7.03	12.40	50.97	94809	
		16-14 Blue	—	0.86	0.187	94822-01-ND	1.68	6.11	10.78	44.32	94822
12-10 Yellow	—	0.94	0.250	94826-01-ND	1.68	6.11	10.78	44.32	94826		
Fully Nylon Insulated Butted Seam Male Disconnects — RoHS Compliant											
10	22-18 Red	—	0.87	0.187	94807-01-ND	2.10	7.64	13.47	55.40	94807	
		—	0.98	0.250	94811-01-ND	1.93	7.03	12.40	50.97	94811	
		16-14 Blue	—	0.98	0.250	94828-01-ND	1.93	7.03	12.40	50.97	94828
		12-10 Yellow	—	1.05	0.250	94836-01-ND	2.37	8.65	15.26	62.73	94836
Fully Nylon Insulated with Insulation Grip Male Disconnects — RoHS Compliant											
10	22-18 Red	—	0.95	0.250	94810-01-ND	2.42	8.82</				