

3M Terminals, Tools, Lugs and Connectors

A

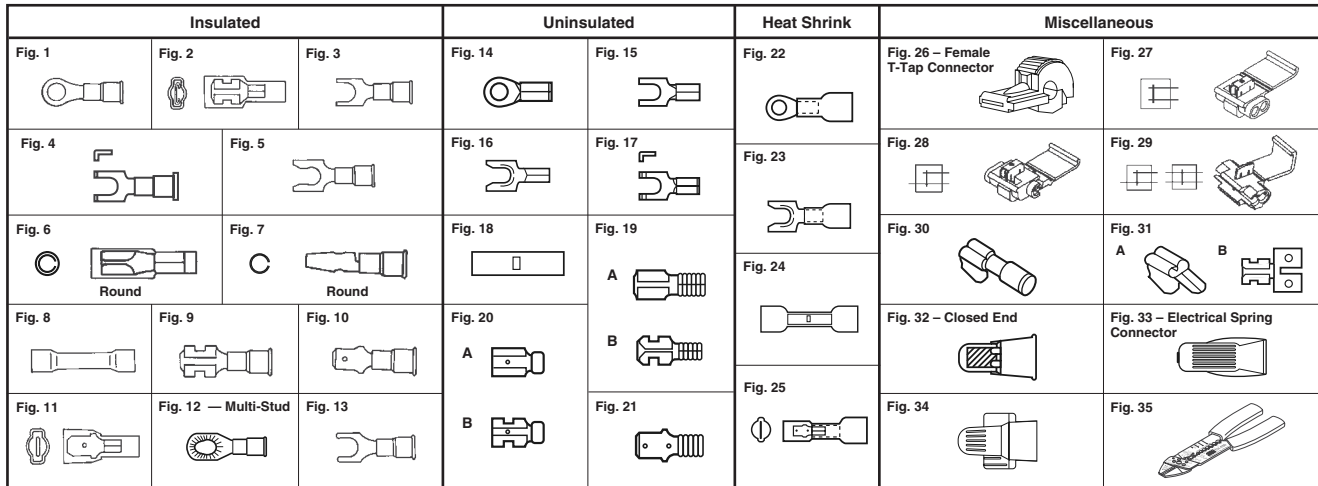


Fig.	AWG	Stud Size	Insul. Dia. Inch (mm)	Digi-Key Part No.	Pricing				3M Part No.
					10	50	100	500	
Insulated									
1	26-24 Yellow	#2	.145 (3.68)	920010-30-ND	12.09	44.04	77.73	319.54	MN24-2RK
1		#4		920010-31-ND	12.09	44.04	77.73	319.54	MN24-4RK
1		#6		920010-32-ND	12.09	44.04	77.73	319.54	MN24-6RK
1		#8		920010-33-ND	12.09	44.04	77.73	319.54	MN24-8RK
1		#10		920010-34-ND	12.09	44.04	77.73	319.54	MN24-10RK
1	22-18 Red	#4	.145 (3.68)	920010-35-ND	3.25	11.84	20.89	85.90	MVU18-4R/SK
1		#6		920010-01-ND	3.25	11.84	20.89	85.90	MVU18-6R/SK
1		#8		920010-02-ND	3.25	11.84	20.89	85.90	MVU18-8R/LK
1		#10		920010-03-ND	3.25	11.84	20.89	85.90	MVU18-10R/LK
1		#1/4		920010-04-ND	3.80	13.84	24.42	100.38	MVU18-14R/SK
1	16-14 Blue	5/16	.170 (4.32)	920010-36-ND	4.83	17.61	31.07	127.72	MVU18-516R/SK
1		3/8		920010-37-ND	4.83	17.61	31.07	127.72	MVU18-38RK
3		#4		920020-16-ND	3.25	11.84	20.89	85.90	MVU18-4FB/SK
3		#6		920022-01-ND	3.25	11.84	20.89	85.90	MVU18-6FB/SK
3		#8		920022-02-ND	3.25	11.84	20.89	85.90	MVU18-8FBK
3	12-10 Yellow	#10	.145 (3.68)	920020-17-ND	3.25	11.84	20.89	85.90	MVU18-10FBK
4		#6		920022-14-ND	3.80	13.83	24.41	100.36	MVU18-6FBK
4		#8		920022-15-ND	3.80	13.83	24.41	100.36	MVU18-8FBK
4		#10		920022-16-ND	3.80	13.83	24.41	100.36	MVU18-10FBK
5		#4		920024-01-ND	3.51	12.80	22.58	92.83	MVU18-4FLK
5	12-10 Yellow	#6	.145 (3.68)	920024-02-ND	3.51	12.80	22.58	92.83	MVU18-6FLK
5		#8		920024-03-ND	3.51	12.80	22.58	92.83	MVU18-8FLK
5		#10		920024-10-ND	3.51	12.80	22.58	92.83	MVU18-10FLK
6		.156"		920048-03-ND	8.08	29.42	51.93	213.47	MNG18-156DFIK
7		.156"		920050-01-ND	3.47	12.63	22.29	91.63	MVU18-156DMK
8	16-14 Blue	—	.170 (4.32)	920030-01-ND	3.45	12.58	22.19	91.24	MVU18-BCK
9		.187"		920040-01-ND	3.43	12.50	22.06	90.69	MVU18-187DFK
9		.250"		920040-02-ND	3.43	12.50	22.06	90.69	MVU18-250DFK
10		.187"		920042-01-ND	3.37	12.27	21.65	89.01	MVU18-187DMK
10		.250"		920042-02-ND	3.18	11.57	20.42	83.94	MVU18-250DMK
2	12-10 Yellow	.187"	.145 (3.68)	920044-01-ND	5.00	18.20	32.12	132.03	MNU18-187DFIK
2		.250"		920044-02-ND	5.00	18.20	32.12	132.03	MNU18-250DFIK
2		.250"		920044-23-ND	5.16	18.79	33.17	136.35	FD118-250C
11		.187"		920046-01-ND	5.59	20.36	35.93	147.71	MNU18-187DMIK
11		.187"		920046-02-ND	5.59	20.36	35.93	147.71	MNU18-250DMIK
12	16-14 Blue	6/8/10	.170 (4.32)	920010-57-ND	4.39	15.98	28.20	115.92	MV18-610R
1		#4		920010-38-ND	3.25	11.84	20.89	85.90	MVU14-4R/SK
1		#6		920010-39-ND	3.25	11.84	20.89	85.90	MVU14-6R/SK
1		#8		920010-05-ND	3.25	11.84	20.89	85.90	MVU14-8R/SK
1		#10		920010-06-ND	3.25	11.84	20.89	85.90	MVU14-10R/SK
1	12-10 Yellow	1/4	.145 (3.68)	920010-07-ND	3.25	11.84	20.89	85.90	MVU14-10RK
1		5/16		920010-08-ND	3.80	13.84	24.42	100.38	MVU14-14R/SK
1		3/8		920010-40-ND	4.83	17.61	31.07	127.72	MVU14-516R/SK
13		#6		920010-41-ND	4.83	17.61	31.07	127.72	MVU14-38RK
13		#8		920020-01-ND	3.25	11.84	20.89	85.90	MVU14-6FK
3	16-14 Blue	#4	.170 (4.32)	920020-02-ND	3.25	11.84	20.89	85.90	MVU14-8FK
3		#6		920020-18-ND	3.25	11.84	20.89	85.90	MVU14-4FB/SK
3		#8		920022-03-ND	3.25	11.84	20.89	85.90	MVU14-6FB/SK
3		#10		920022-04-ND	3.25	11.84	20.89	85.90	MVU14-8FBK
4		#6		920020-19-ND	3.25	11.84	20.89	85.90	MVU14-10FBK
4	12-10 Yellow	#8	.145 (3.68)	920022-17-ND	3.80	13.83	24.41	100.36	MVU14-6FBK
4		#10		920022-18-ND	3.80	13.83	24.41	100.36	MVU14-8FBK
4		#6		920022-19-ND	3.80	13.83	24.41	100.36	MVU14-10FBK
5		#8		920024-04-ND	3.51	12.80	22.58	92.83	MVU14-6FLK
5		#10		920024-05-ND	3.51	12.80	22.58	92.83	MVU14-8FLK
6	16-14 Blue	.156"	.170 (4.32)	920024-06-ND	3.51	12.80	22.58	92.83	MVU14-10FLK
7		.156"		920048-02-ND	5.54	20.18	35.60	146.37	MNU14-156DFIK
8		—		920050-02-ND	3.47	12.63	22.29	91.63	MNU14-156DMK
9		.187"		920040-03-ND	3.45	12.58	22.19	91.24	MNU14-BCK
9		.250"		920040-04-ND	3.43	12.50	22.06	90.69	MVU14-187DFK
10	12-10 Yellow	.187"	.145 (3.68)	920042-03-ND	3.37	12.27	21.65	89.01	MVU14-187DMK
10		.250"		920042-04-ND	3.37	12.27	21.65	89.01	MVU14-250DMK
2		.187"		920044-03-ND	5.00	18.20	32.12	132.03	MNU14-187DFIK
2		.250"		920044-04-ND	5.00	18.20	32.12	132.03	MNU14-250DFIK
2		.250"		920044-22-ND	5.16	18.79	33.17	136.35	FD114-250C
11	16-14 Blue	.187"	.170 (4.32)	920046-03-ND	5.59	20.36	35.93	147.71	MNU14-187DMIK
11		.250"		920046-04-ND	5.59	20.36	35.93	147.71	MNU14-250DMIK
11		.250"		920044-04-ND	5.59	20.36	35.93	147.71	MNU14-250DMIK
12		6/8/10		920010-58-ND	4.39	15.98	28.20	115.92	MV14-610R
1		12-10 Yellow		#6	.250 (6.35)	920010-43-ND	3.96	14.42	25.45
1	#8		920010-09-ND	3.96		14.42	25.45	104.64	MVU10-8RK
1	#10		920010-10-ND	3.96		14.42	25.45	104.64	MVU10-10RK

Fig.	AWG	Stud Size	Insul. Dia. Inch (mm)	Digi-Key Part No.	Pricing				3M Part No.		
					10	50	100	500			
Uninsulated — RoHS Compliant											
1	12-10 Yellow	1/4	.250 (6.35)	920010-11-ND	5.29	19.28	34.02	139.84	MVU10-14R/SK		
1		5/16		920010-44-ND	5.29	19.28	34.02	139.84	MVU10-516R/SK		
1		3/8		920010-12-ND	5.29	19.28	34.02	139.84	MVU10-38R/SK		
2		#6		920020-03-ND	3.96	14.42	25.45	104.64	MVU10-6FK		
2		#8		920020-04-ND	3.96	14.42	25.45	104.64	MVU10-8FK		
2	12-10 Yellow	#10	.250 (6.35)	920020-05-ND	3.96	14.42	25.45	104.64	MVU10-10FK		
4		#6		920022-20-ND	4.62	16.84	29.72	122.18	MVU10-6FBK		
4		#8		920022-21-ND	4.62	16.84	29.72	122.18	MVU10-8FBK		
4		#10		920022-22-ND	4.62	16.84	29.72	122.18	MVU10-10FBK		
5		#6		920024-07-ND	5.05	18.39	32.45	133.41	MVU10-6FLK		
8	16-14 Blue	1/4	.250 (6.35)	920024-13-ND	5.83	21.24	37.49	154.11	MVU10-14FLK		
8		—		920030-03-ND	4.26	15.53	27.41	112.68	MVU10BCK		
9		.250"		920040-06-ND	6.38	23.26	41.04	168.72	MVU10-250DFK		
10		.250"		920042-05-ND	4.19	15.25	26.91	110.65	MVU10-250DMK		
2		.250"		920044-21-ND	7.00	25.51	45.01	185.05	MNU10-250DFIK		
11	12-10 Yellow	6/8/10	.250 (6.35)	920046-05-ND	7.59	27.64	48.78	200.53	MNU10-250DMIK		
12		—		920010-59-ND	5.80	21.13	37.29	153.31	MVU10-610R		
Uninsulated — RoHS Compliant											
14		22-18 Red		#4	.145 (3.68)	920010-13-ND	1.68	6.12	10.80	44.38	MU18-4R/SK
14				#6		920010-14-ND	1.68	6.12	10.80	44.38	MU18-6R/SK
14	#8		920010-15-ND	1.68		6.12	10.80	44.38	MU18-8R/LK		
14	#10		920010-16-ND	1.59		5.79	10.21	41.99	MU18-10R/LK		
14	1/4		920010-17-ND	2.64		9.63	16.99	69.85	MU18-14R/SK		
15	16-14 Blue	#4	.170 (4.32)	920020-06-ND	1.68	6.12	10.80	44.38	MU18-4FB/SK		
15		#6		920020-07-ND	1.68	6.12	10.80	44.38	MU18-6FB/SK		
15		#8		920020-08-ND	1.82	6.64	11.71	48.14	MU18-8FBK		
15		#10		920020-09-ND	1.68	6.12	10.80	44.38	MU18-10FBK		
16		#6		920024-15-ND	1.75	6.38	11.25	46.26	MU18-6FLK		
16	12-10 Yellow	#8	.145 (3.68)	920024-16-ND	1.75	6.38	11.25	46.26	MU18-8FLK		
16		#10		920024-17-ND	1.75	6.38	11.25	46.26	MU18-10FLK		
17		#6		920022-05-ND	1.89	6.88	12.14	49.90	MU18-6FBK		
17		—		920030-07-ND	2.70	9.84	17.37	71.39	M18BCK		
14		12-10 Yellow		#4	.145 (3.68)	920010-19-ND	1.68	6.12	10.80	44.38	MU14-4R/SK
14	#6		920010-20-ND	1.68		6.12	10.80	44.38	MU14-6R/SK		
14	#8		920010-21-ND	1.68		6.12	10.80	44.38	MU14-8R/LK		
14	#10		920010-22-ND	1.68		6.12	10.80	44.38	MU14-10R/LK		
14	1/4		920010-23-ND	2.64		9.63	16.99	69.85	MU14-14R/SK		
15	16-14 Blue	#8	.170 (4.32)	920020-11-ND	1.68	6.12	10.80	44.38	MU14-8FBK		
15		#10		920020-12-ND	1.68	6.12	10.80	44.38	MU14-10FBK		
16		#6		920024-19-ND	1.75	6.38	11.25	46.26	MU14-6FLK		
16		#10		920024-21-ND	1.75	6.38	11.25	46.26	MU14-10FLK		
16		1/4		920024-22-ND	2.87	10.44	1				

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

A

Fig.	AWG	Stud Size	Insul. Dia. Inch (mm)	Digi-Key Part No.	Pricing				3M Part No.
					10	50	100	500	
Heat Shrink Insulated									
24	22-18 Red	—	.145 (3.68)	920030-10-ND	8.04	29.29	51.70	212.53	MH18BCK
22	16-14 Blue	#8 5/16	.170 (4.32)	920010-49-ND	10.51	47.03	66.35	261.77	MH14-8R/LK
22	16-14 Blue	#6	.170 (4.32)	920024-30-ND	9.41	38.73	60.87	240.14	MH14-6FLK
23	16-14 Blue	#6	.170 (4.32)	920030-11-ND	8.04	29.29	51.70	212.53	MH14BCK
22	12-10 Yellow	1/4 #8	.250 (6.35)	920010-55-ND	9.76	35.56	62.76	258.00	MH10-14RK
23	12-10 Yellow	#10	.250 (6.35)	920024-34-ND	9.30	33.87	59.76	245.69	MH10-8FLK
24	12-10 Yellow	#10	.250 (6.35)	920024-35-ND	9.30	33.87	59.76	245.69	MH10-10FLK
25	12-10 Yellow	#10	.250 (6.35)	920030-12-ND	10.38	37.82	66.74	274.38	MH10BCK
26	12-10 Yellow	#10	.250 (6.35)	920042-13-ND	13.58	49.46	87.28	358.83	MNHU10-250DMIK
26	18-14 Blue	—	.150 (3.81)	920074-01-ND	3.99	14.55	25.67	105.53	951K
26	18-14 Blue	—	.150 (3.81)	920074-02-ND	3.99	14.55	25.67	105.53	952K
26	18-14 Blue	—	.150 (3.81)	920074-03-ND	4.30	15.66	27.64	113.63	953K
27	22-16 Red	—	.120 (3.05)	920074-06-ND	5.05	18.41	32.49	133.57	557 (BOXED)
28	18-14 Blue	—	.145 (3.68)	920074-07-ND	5.28	19.23	33.93	139.49	558 (BOXED)
29	18-14 Blue	—	.145 (3.68)	920074-08-ND	3.21	11.68	20.61	84.73	560 (BOXED)
923000-1-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.....					\$203.80				

Connectors and Crimp Tools

Fig.	AWG	Description	Color	Digi-Key Part No.	Pricing				3M Part No.
					10	50	100	500	
Scotchlok™ Connectors									
32	22-14	Closed End Electrical	Clear	920030-13-ND	2.80	10.19	17.98	73.92	MN14CEC/STK
33	18-10	Electrical	Clear	920030-14-ND	3.60	13.11	23.13	95.09	MN10CEC/STK
33	14-8	Electrical	Gray	920090-01-ND	6.56	23.89	42.15	173.30	G-BULK
33	22-10	Nylon Spring Connector	Yellow	920074-04-ND	2.17	7.89	13.93	57.25	312-2ULK
33	20-8	Connector	Red	920074-05-ND	2.84	10.36	18.28	75.16	512-BULK
34	12-8	Spring Connector	Blue/Green	920090-04-ND	8.32	30.32	53.51	219.97	B/G+BOX
34	22-12	Spring Connector	Orange/Blue	920090-05-ND	1.95	7.11	12.56	51.62	O/B+BOX
34	18-8	Spring Connector	Red/Yellow	920090-06-ND	3.10	11.31	19.96	82.05	R/Y+BOX
34	22-8	Spring Connector	Tan/Red	920090-07-ND	2.95	10.74	18.95	77.89	T/R+BOX
Crimp Tools									
—	22-10	Ratcheting	—	TR-482-ND	237.35/1				TR-482
35	26-6	Scissor Style	—	TH-450-ND	53.94/1				TH-450

◆ RoHS Compliant

Terminals

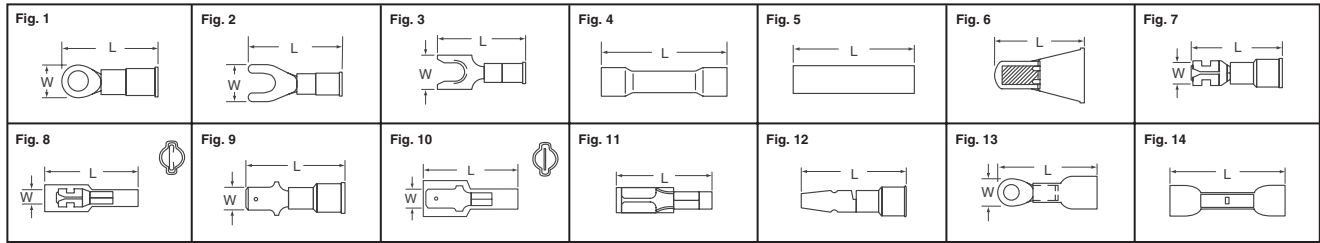


Fig.	AWG	Stud Size	Dim. Inch Length	Width	Digi-Key Part No.	Pricing				3M Part No.	
						10	50	100	500		
Vinyl Insulated Butted Seam Ring Tongue Terminals											
1	22-18 Red	#6	0.80	0.25	94725-01-ND	1.47	5.36	9.45	38.85	94725	
		#8	0.90	0.33	94727-01-ND	1.47	5.36	9.45	38.85	94727	
		#10	0.90	0.33	94717-01-ND	1.47	5.36	9.45	38.85	94717	
		1/4	1.08	0.47	94719-01-ND	1.75	6.39	11.27	46.34	94719	
	16-14 Blue	#6	0.90	0.33	94736-01-ND	1.47	5.36	9.45	38.85	94736	
		#8	0.90	0.33	94739-01-ND	1.47	5.36	9.45	38.85	94739	
		#10	0.90	0.33	94729-01-ND	1.47	5.36	9.45	38.85	94729	
		1/4	1.08	0.47	94731-01-ND	1.75	6.39	11.27	46.34	94731	
	12-10 Yellow	5/16	1.08	0.47	94735-01-ND	2.08	7.59	13.39	55.04	94735	
		3/8	1.13	0.56	94733-01-ND	2.08	7.59	13.39	55.04	94733	
		#6	0.98	0.28	94751-01-ND	1.81	6.58	11.61	47.73	94751	
		#8	1.03	0.38	94753-01-ND	1.95	7.11	12.56	51.62	94753	
Nylon Insulated with Insulation Grip Ring Tongue Terminals — RoHS Compliant											
1	28-18 Red	#6	0.79	0.25	94724-01-ND	2.24	8.16	14.40	59.20	94724	
		#8	0.89	0.33	94726-01-ND	2.24	8.16	14.40	59.20	94726	
	16-14 Blue	#10	0.89	0.33	94728-01-ND	2.24	8.16	14.40	59.20	94728	
		5/16	1.09	0.47	94734-01-ND	2.78	10.14	17.89	73.54	94734	
	12-10 Yellow	3/8	1.14	0.56	94732-01-ND	3.12	11.36	20.05	82.42	94732	
		#6	0.98	0.28	94750-01-ND	2.79	10.15	17.91	73.63	94750	
	Nylon Insulated Braided Seam Ring Tongue Terminals										
	1	8 Red	1/4	1.26	0.47	94754-01-ND	7.22	26.32	46.44	190.92	94754
			3/8	1.58	0.63	94759-01-ND	8.05	29.33	51.75	212.75	94759
		6 Blue	3/8	1.58	0.63	94763-01-ND	13.49	60.35	99.40	390.50	94763
			1/2	1.74	0.68	94764-01-ND	14.30	63.96	105.35	413.88	94764
	Vinyl Insulated Butted Seam Fork Terminals										
2	22-18 Red	#6	0.90	0.34	94769-01-ND	1.42	5.18	9.14	37.56	94769	
		#8	0.90	0.34	94771-01-ND	1.42	5.18	9.14	37.56	94771	
	16-14 Blue	#6	0.90	0.34	94775-01-ND	1.42	5.18	9.14	37.56	94775	
		#8	0.90	0.34	94777-01-ND	1.42	5.18	9.14	37.56	94777	
Vinyl Insulated Butted Seam Locking Fork Terminals											
3	22-18 Red	#6	0.88	0.25	94865-01-ND	1.54	5.60	9.88	40.61	94865	
		#8	0.88	0.30	94867-01-ND	1.54	5.60	9.88	40.61	94867	
	16-14 Blue	#6	0.88	0.25	94873-01-ND	1.54	5.60	9.88	40.61	94873	
		#8	0.88	0.30	94875-01-ND	1.54	5.60	9.88	40.61	94875	
Nylon Insulated with Insulation Grip Locking Fork Terminals — RoHS Compliant											
3	22-18 Red	#6	0.87	0.25	94864-01-ND	2.35	8.57	15.12	62.16	94864	
		#8	0.87	0.30	94866-01-ND	2.35	8.57	15.12	62.16	94866	
	16-14 Blue	#8	0.89	0.30	94862-01-ND	2.35	8.57	15.12	62.16	94862	
		#10	0.89	0.30	94874-01-ND	2.35	8.57	15.12	62.16	94874	
Vinyl Insulated Butted Seam Butt Connectors											
4	22-18 Red	—	1.02	—	94785-01-ND	1.54	5.60	9.88	40.61	94785	
		—	1.02	—	94788-01-ND	1.54	5.60	9.88	40.61	94788	
	16-14 Blue	—	1.05	—	94791-01-ND	1.91	6.96	12.29	50.51	94791	
		—	1.05	—	94791-01-ND	1.91	6.96	12.29	50.51	94791	
Vinyl Insulated Braided Seam Butt Connectors — RoHS Compliant											
4	8 Red	—	1.43	—	94793-01-ND	7.01	25.55	45.09	185.37	94793	
Nylon Insulated with Insulation Grip Butt Connectors — RoHS Compliant											
4	22-18 Red	—	1.01	—	94784-01-ND	4.43	16.14	28.49	117.11	94784	
Nylon Insulated Seamless Butt Connectors — RoHS Compliant											
5	22-18 Red	—	1.02	—	94786-01-ND	2.18	7.96	14.04	57.72	94786	

Fig.	AWG	Stud Size	Dim. Inch Length	Width	Digi-Key Part No.	Pricing				3M Part No.
						10	50	100	500	
5	16-14 Blue	—	1.02	—	94789-01-ND	2.18	7.96	14.04	57.72	94789
	12-10 Yellow	—	1.02	—	94792-01-ND	2.79	10.15	17.91	73.63	94792
Nylon Insulated Closed End Connectors — RoHS Compliant										
6	22-14	—	0.76	—	94813-01-ND	1.73	6.30	11.12	45.70	94813
	18-10	—	0.85	—	94796-01-ND	1.73	6.30	11.12	45.70	94796
Vinyl Insulated Butted Seam Female Disconnects										
7	22-18 Red	—	0.78	0.187	94800-01-ND	1.54	5.60	9.88	40.61	94800
		—	0.87	0.250	94804-01-ND	1.54	5.60	9.88	40.61	94804
	16-14 Blue	—	0.78	0.187	94817-01-ND	2.09	9.33	15.37	60.36	94817
		—	0.87	0.250	94821-01-ND	1.54	5.60	9.88	40.61	94821
Nylon Insulated with Insulation Grip Female Disconnects — RoHS Compliant										
7	22-18 Red	—	0.77	0.187	94797-01-ND	2.31	8.42	14.85	61.05	94797
		—	0.86	0.250	94801-01-ND	2.31	8.42	14.85	61.05	94801
	16-14 Blue	—	0.86	0.250	94818-01-ND	2.31	8.42	14.85	61.05	94818
Fully Nylon Insulated Butted Seam Female Disconnects — RoHS Compliant										
8	22-18 Red	—	0.81	0.187	94799-01-ND	2.51	9.14	16.13	66.32	94799
		—	0.91	0.250	94803-01-ND	2.31	8.42	14.85	61.05	94803
	16-14 Blue	—	0.81	0.187	94816-01-ND	2.51	9.14	16.13	66.32	94816
		—	0.91	0.250	94820-01-ND	2.31	8.42	14.85	61.05	94820
12-10 Yellow	—	0.99	0.250	94832-01-ND	2.84	10.35	18.27	75.11	94832	
Vinyl Insulated Butted Seam Male Disconnects										
9	22-18 Red	—	0.85	0.187	94808-01-ND	1.54	5.60	9.88	40.61	94808
		—	0.93	0.250	94812-01-ND	1.54	5.60	9.88	40.61	94812
	16-14 Blue	—	0.93	0.250	94829-01-ND	1.54	5.60	9.88	40.61	94829
		—	1.05	0.250	94837-01-ND	1.69	6.15	10.85	44.59	94837
Nylon Insulated with Insulation Grip Male Disconnects — RoHS Compliant										
9	22-18 Red	—	0.84	0.187	94805-01-ND	2.31	8.42	14.85	61.05	94805
		—	0.92	0.250	94809-01-ND	2.31	8.42	14.85	61.05	94809
	16-14 Blue	—	0.86	0.187	94822-01-ND	2.31	8.42	14.85	61.05	94822
—	0.94	0.250	94826-01-ND	2.31	8.42	14.85	61.05	94826		
Fully Nylon Insulated Butted Seam Male Disconnects — RoHS Compliant										
10	22-18 Red	—	0.87	0.187	94807-01-ND	2.51	9.14	16.13	66.32	94807
		—								