

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	—	.120 (3.05)	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-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..... \$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	Nylon Spring 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

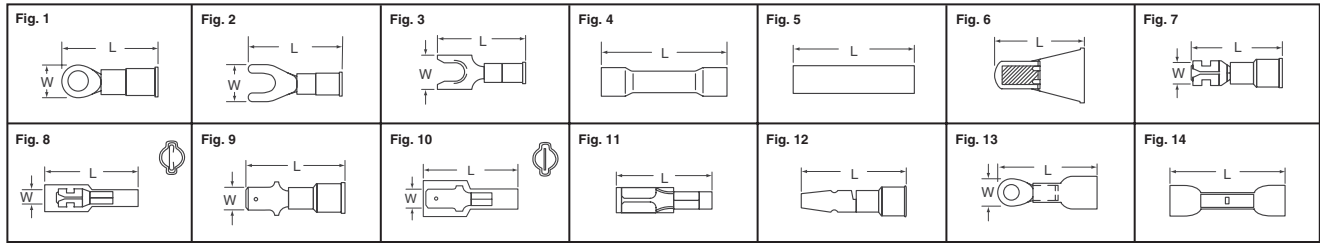


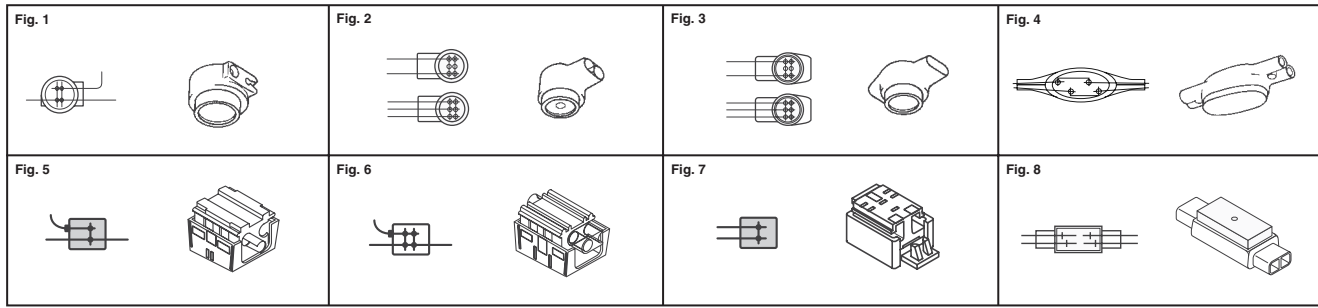
Fig.	AWG	Stud Size	Dim. Inch Length	Width	Digi-Key Part No.	Pricing				3M Part No.		
						10	50	100	500			
Vinyl Insulated Butted Seam Ring Tongue Terminals												
1	22-18 Red	#6	0.80	0.25	94725-01-ND	1.47	5.36	9.45	38.85	94725		
		#8	0.90	0.33	94727-01-ND	1.47	5.36	9.45	38.85	94727		
		#10	0.90	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		
1	16-14 Blue	#10	1.03	0.38	94741-01-ND	1.81	6.58	11.61	47.73	94741		
		1/4	1.26	0.53	94731-01-ND	2.09	7.60	13.41	55.13	94743		
		5/16	1.26	0.53	94749-01-ND	2.19	7.98	14.09	57.91	94749		
		3/8	1.29	0.59	94745-01-ND	2.19	7.98	14.09	57.91	94745		
Nylon Insulated with Insulation Grip Ring Tongue Terminals — RoHS Compliant												
1	22-18 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		
		#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		
1	16-14 Blue	3/8	1.14	0.56	94732-01-ND	3.12	11.36	20.05	82.42	94732		
		12-10 Yellow	#6	0.98	0.28	94750-01-ND	2.79	10.15	17.91	73.63	94750	
		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
4	1.74			0.68	94763-01-ND	13.49	60.35	99.40	390.50	94763		
Yellow	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		
		#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		
3	16-14 Blue	#10	0.90	0.34	94773-01-ND	1.42	5.18	9.14	37.56	94773		
		#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		
		#6	0.88	0.25	94873-01-ND	1.54	5.60	9.88	40.61	94873		
3	16-14 Blue	#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	0.25	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
#10	0.32			0.32	94862-01-ND	2.35	8.57	15.12	62.16	94862		
16-14 Blue	#8			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		
		—	1.05	—	94791-01-ND	1.91	6.96	12.29	50.51	94791		
		12-10 Yellow	—	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
		—	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
		—	0.86	0.250	94818-01-ND	2.31	8.42	14.85	61.05	94818
		16-14 Blue	—	0.86	0.250	94818-01-ND	2.31	8.42	14.85	61.05
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	2.51	9.14	16.13	66.32	94803
		—	0.81	0.187	94816-01-ND	2.51	9.14	16.13	66.32	94816
		—	0.91	0.250	94820-01-ND	2.51	9.14	16.13	66.32	94820
8	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	2.51	9.14	16.13	66.32	94820
		—	0.99	0.250	94832-01-ND	2.84	10.35	18.27	75.11	94832
		12-10 Yellow	—	0.99	0.250	94832-01-ND	2.84	10.35	18.27	75.11
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
		—	0.93	0.250						

3M Scotchlok™ Discrete Connectors and Tools



Features: 3M™ Scotchlok™ connectors have been providing ease of use and proven high quality reliability for over 50 years. With a "U" element and IDC design, they continue to be effective for transmitting broadband services with performance up to 100MHz. They are available for butt, in-line or tap splicing of solid copper or aluminum conductors and have a wide selection of tools to meet all discrete splicing needs.



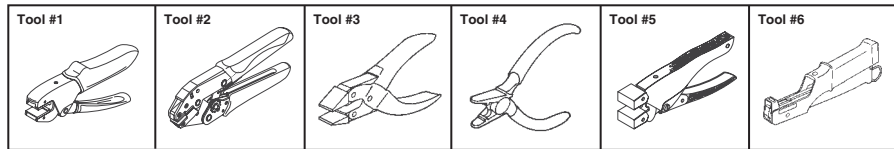
A

Fig.	Max. Insulation (mm)	Wire AWG	Use Tool # (below)	Gel Filled	Wire Count	Digi-Key Part No.	1	Pricing 10	100	3M Part No.
1	1.67 Butt 1.12 Tap	26 - 19 Butt 26 - 22 Tap	1, 2, 3, 4, 5	Yes	2-Wire	UG20082-ND†	.49	3.69	27.65	UG(BX)*
2	1.52	26 - 22	1, 2, 3, 4, 5	Yes	2-Wire	UCC1000-ND††★	.33	2.46	18.43	UCC(BULK)*
	1.52	26 - 22	1, 2, 3, 4, 5	No	2-Wire	UP2000-ND★▲	.29	2.15	16.13	UP2-BULK
	1.52	26 - 22	1, 2, 3, 4, 5	No	2-Wire	UPC1000-ND★▲	.74	5.53	41.47	UPC(BULK)
	2.08	26 - 19	1, 2, 3, 5	Yes	2 or 3-Wire	UR2000-ND†‡	.29	2.15	16.13	UR2-BULK*
	2.08	26 - 19	1, 2, 3, 4, 5	Yes	2-Wire	UY2000-ND†‡	.25	1.84	13.82	UY2-BOX*
	2.08	26 - 19	6	No	2-Wire	UY2100-ND‡Δ§	2.50	18.74	166.61	UY2-D(CART)
3	1.52	26 - 22	1, 2	Yes	2-Wire	UY14911-ND†★	.29	2.15	16.13	UY(BX)*
	2.08	20 - 17AL 24 - 19CU	1, 2, 3, 5	Yes	2 or 3-Wire	UAL27827-ND†	.86	6.45	48.38	UAL(BX)
	2.08	20 - 17AL 24 - 19CU	6	Yes	2 or 3-Wire	UAL27828-ND†§	—	53.87	478.80	UAL(CART)
4	1.52	26 - 19	1, 2	Yes	2 or 3-Wire	UR20074-ND†	.33	2.46	18.43	UR(BX)*
	1.52	26 - 19	1, 2, 3, 5	No	2 or 3-Wire	UP3000-ND▲	.37	2.77	20.75	UP3(BOX)
5	3.18	19 - 16	5	Yes	4-Wire	U1B1000-ND†	4.20	31.50	236.25	U1B(BX)
	3.18	24 - 19	5	Yes	4-Wire	U1R20017-ND†	4.20	31.50	236.25	U1R(BX)
6	1.27	26 - 22	1, 2, 3, 4, 5	No	2-Wire	UPB1000-ND▲	.41	3.07	23.04	UPB(BULK)
7	2.08	26 - 19	1, 2, 3, 4, 5	Yes	2-Wire	UB2A1000-ND†‡	.33	2.46	18.43	UB2A-BOX*
	2.08	26 - 19	1, 2, 3, 4, 5	No	2-Wire	UB2A1100-ND▲‡	.37	2.77	20.75	UB2A-D-BOX
8	2.08	26 - 19	1, 2	Yes	2-Wire	U2A1000-ND†‡	.49	3.69	27.65	211(BX)*
8	4.4	19 - 16	5	Yes	4-Wire	UDW2000-ND†	4.67	35.02	262.67	UDW2

† Moisture Resistant ‡ Clearing Caps, No electrical connection ★ Single Element ▲ Dry/Flame Retardant † Solvent Resistant Δ Dry § UY2100-ND - 12 per carton, UAL27828-ND - 10 per carton

Tools

Tool #	Mechanical Advantage	Digi-Key Part No.	Price Each	3M Part No.
1	10:1	E-9J-ND	42.08	E-9J
2	10:1	E-9R-ND§	92.31	E-9R
3	4:1	E-9E-ND	34.50	E-9E
4	3:1	E-9Y-ND§	29.93	E-9Y
5	10:1	E-9BM-ND	63.68	E-9BM
6	7:1	E-9C-ND	168.44	E-9C



§ Integrated Wire Cutter



NEW! Wire Terminals

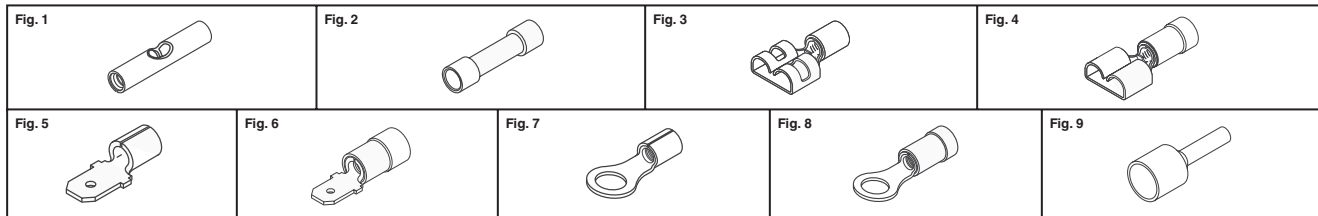


Fig.	Description	Approvals	Digi-Key Part No.	Pricing 50	100	Panduit Part No.	Digi-Key Part No.	Pricing 500	1,000	Panduit Part No.
Butt Splices										
1	Butt Splice, Non-Insulated, 12 - 10AWG	UL, CSA	298-9981-ND	29.57	—	BS10-L	298-9980-ND	113.36	—	BS10-D
	Butt Splice, Non-Insulated, 16 - 14AWG	UL, CSA	298-9982-ND	—	46.17	BS14-C	298-9983-ND	—	135.93	BS14-M
	Butt Splice, Non-Insulated, 22 - 18AWG	UL, CSA	298-9984-ND	—	44.41	BS18-C	298-9985-ND	—	142.82	BS18-M
	Butt Splice, Non-Insulated, 26 - 22AWG	—	298-9986-ND	—	61.81	BS22-C	298-9987-ND	—	1458.15	BS22-M
2	Butt Splice, Nylon, 12 - 10AWG	UL, CSA	298-9989-ND	56.92	—	BSN10-L	298-9988-ND	235.76	—	BSN10-D
	Butt Splice, Nylon, 16 - 14AWG	UL, CSA	298-9990-ND	—	84.82	BSN14-C	298-9991-ND	—	385.84	BSN14-M

(Continued)

More Product Available Online: www.digikey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380