





PLASTI-GRIP TERMINALS & SPLICES

Quick Reference Guide

FEATURES AND BENEFITS

- PVC Insulation sleeve provides good dielectric strength and supports the wire insulation so that no bare wire is exposed
- Accepted in various markets
- Crimp performance guaranteed with with TE tooling
- Funneled wire entry on terminal prevents turned back wire strands and permits rapid wire insertion during high speed production
- Serrations in the crimp barrel provide maximum contact and tensile strength after crimping
- Most UL listed/CSA approved; insulation is 94V-0 rated

600V
Operating Voltage

105°
Max Operating Temperature (Celsius)

UL/CSA
UL and CSA Approval

PRODUCT APPLICATIONS

- Panel Boxes
- Motors
- Switchgear
- Power Supplies
- Instruments/Controls
- Lighting
- Transportation
- HVAC
- Repair, Service & Installation

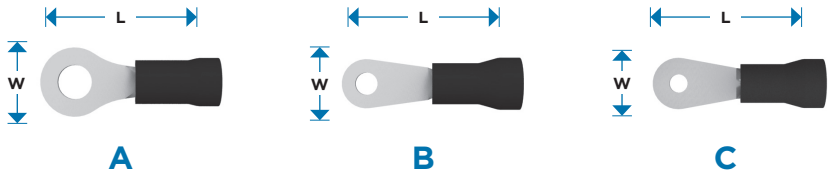


WHAT'S INSIDE

Pre-insulated PLASTI-GRIP solderless terminals and splices are designed specifically to answer the need for low-cost, insulated electrical terminations. They consist of a high conductivity copper body and color coded PVC insulation that can be used in almost all commercial applications. Carefully engineered Application Tooling has been designed in conjunction with the terminal to promote ease and speed of application. The wire and wire barrel together form a connection of high conductivity and tensile strength, while the tin plating provides good resistance to corrosion. The quality, performance, and ease of installation make them ideal for many industrial applications. Most PLASTI-GRIP products are UL and CSA approved, and are available in various tongue styles, stud sizes, and wire ranges from 22 AWG through 2/0.

MATERIAL

Insulation: Vinyl, UL 94V-0
Terminal Body: Copper per ASTM B-152
Plating: Tin per ASTM B-545

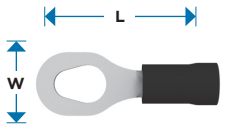


Ring Tongue Terminals

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
22 - 16	0.26 - 1.65	2	M2	34140	.218	5.54	.684	17.37	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		5	M3	34141	.218	5.54	.684	17.37	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		5	M3	34143	.281	7.14	.809	20.55	Red	.140	3.56	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	32945	.218	5.54	.684	17.37	Red	.125	3.18	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	34142	.218	5.54	.684	17.37	Red	.140	3.56	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	32947	.281	7.14	.809	20.55	Red	.125	3.18	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	34144	.281	7.14	.809	20.55	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	34147	.281	7.14	.809	20.55	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	32948	.281	7.14	.809	20.55	Red	.125	3.18	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	34145	.281	7.14	.809	20.55	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	32951	.312	7.92	.856	21.74	Red	.125	3.18	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	34148	.312	7.92	.856	21.74	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		10		34146	.281	7.14	.809	20.55	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		10		35451	.281	7.14	.809	20.55	Red	.170	4.32	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		10		32952	.312	7.92	.856	21.74	Red	.125	3.18	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		10		34149	.312	7.92	.856	21.74	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
			M5	130014	.315	8.00	.858	21.80	Red	.140	3.56	✔	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	32953	.469	11.91	1.090	27.69	Red	.125	3.18	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	34150	.469	11.91	1.090	27.69	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	130054	.469	11.91	1.095	27.81	Red	.140	3.56	-	-	A	47386	59824-1	58433-3	2063030-1	58423-1
		5/16	M8	34151	.469	11.91	1.090	27.69	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
		3/8		34152	.531	13.49	1.230	31.24	Red	.140	3.56	✔	✔	A	47386	59824-1	58433-3	2063030-1	58423-1
16-14	1.04 - 2.62	6	M3.5	34158	.250	6.35	.715	18.16	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	34159	.343	8.71	.871	22.12	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	328527	.312	7.92	.825	20.96	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	32959	.343	8.71	.871	22.12	Blue	.145	3.68	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	34160	.343	8.71	.871	22.12	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		10		32960	.343	8.71	.871	22.12	Blue	.145	3.68	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		10		34161	.343	8.71	.871	22.12	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
			M5	130102	.343	8.70	.878	22.30	Blue	.193	4.90	✔	-	A	47387	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	34162	.469	11.91	1.090	27.69	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
			M6	130126	.469	11.90	1.098	27.90	Blue	.193	4.90	✔	-	A	47387	59824-1	58433-3	2063030-1	58423-1
		5/16	M8	34163	.469	11.91	1.090	27.69	Blue	.170	4.32	✔	✔	A	47387	59824-1	58433-3	2063030-1	58423-1
		3/8		34164	.531	13.49	1.248	31.70	Blue	.170	4.32	-	-	A	47387	59824-1	58433-3	2063030-1	58423-1
			M10	160136	.657	16.70	1.244	31.60	Blue	.193	4.90	-	-	A	47387	59824-1	58433-3	2063030-1	58423-1
12-10	2.62 - 6.64	6	M3.5	34852	.281	7.14	.953	24.21	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1

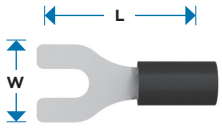
Ring Tongue Terminals (continued)

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
		8	M4	34853	.375	9.53	1.098	27.89	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		10		330518	.312	7.92	1.052	26.72	Yellow	.230	5.84	✔	–	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		10		34854	.375	9.53	1.098	27.89	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
			M5	160292	.374	9.50	1.098	27.90	Yellow	.252	6.40	✔	–	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	165035	.500	12.70	1.184	30.07	Yellow	.267	6.78	✔	–	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	34855	.531	13.49	1.327	33.71	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		5/16	M8	34856	.531	13.49	1.327	33.71	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
			M8	160296	.500	12.70	1.185	30.10	Yellow	.248	6.30	–	–	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		3/8		34173	.593	15.06	1.421	36.09	Yellow	.230	5.84	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
			M10	160300	.594	15.09	1.433	36.40	Yellow	.248	6.30	–	–	A	59239-4	59824-1	58433-3	2063030-1	58423-1
		1/2	M12	34837	.750	19.05	1.594	40.49	Yellow	.250	6.35	✔	✔	A	59239-4	59824-1	58433-3	2063030-1	58423-1
8	6.64 - 10.50	8	M4	52041	.478	12.14	1.586	40.28	Red	.360	9.14	✔	–	C					
		10		52263	.431	10.95	1.556	39.52	Red	.360	9.14	✔	–	B					
		10		52263-1	.431	10.95	1.576	40.03	Red	.330	8.38	✔	–	B					
		1/4	M6	52041-1	.478	12.14	1.586	40.28	Red	.360	9.14	✔	–	C					
		5/16	M8	52291	.587	14.91	1.696	43.08	Red	.360	9.14	✔	–	C					
		3/8		52291-1	.587	14.91	1.696	43.08	Red	.360	9.14	✔	–	C					
		1/2	M12	52262-1	.875	22.23	1.860	47.24	Red	.330	8.38	–	–	A					
6	10.5 - 16.8	8	M4	52042-2	.500	12.70	1.869	47.47	Blue	.436	11.07	–	–	C					
		10		52265	.468	11.89	1.719	43.66	Blue	.436	11.07	✔	✔	B					
		1/4	M6	52042-1	.500	12.70	1.869	47.47	Blue	.436	11.07	–	–	C					
		5/16	M8	52264	.625	15.88	1.906	48.41	Blue	.450	11.43	–	–	B					
		3/8		52264-1	.625	15.88	1.906	48.41	Blue	.450	11.43	–	–	B					
		1/2	M12	52350	.815	20.70	1.851	47.02	Blue	.436	11.07	–	–	C					
4	16.8 - 26.7	10		52043-2	.546	13.87	1.948	49.48	Yellow	.450	11.43	✔	–	B					
		1/4	M6	52043-3	.546	13.87	1.948	49.48	Yellow	.450	11.43	✔	–	B					
		5/16	M8	52266	.679	17.25	2.014	51.16	Yellow	.515	13.08	–	–	B					
		3/8		52266-4	.679	17.25	2.014	51.16	Yellow	.450	11.43	✔	–	B					
2	26.7 - 42.4	1/4	M6	52267-1	.675	17.15	2.071	52.60	Red	.560	14.22	–	–	B					
		1/4	M6	52267	.675	17.15	2.071	52.60	Red	.632	16.05	–	–	B					
		5/16	M8	52044-1	.711	18.06	2.089	53.06	Red	.632	16.05	–	–	B					
		3/8		52044-2	.711	18.06	2.089	53.06	Red	.632	16.05	–	–	B					



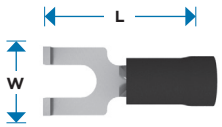
Multiple Studsize Ring Tongue

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
22 - 16	0,26 - 1,65	6 - 10	M3.5 - M5	54774-1	.325	8.26	.969	24.61	Red	.125	3.18	✔	–		47386	59824-1	58433-3	2063030-1	58423-1
16- 14	1,04 - 2,62	6 - 10	M3.5 - M5	54775-1	.325	8.26	.969	24.61	Blue	.145	3.68	✔	–		47387	59824-1	58433-3	2063030-1	58423-1



Spades: Standard Spade

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
22-16	0,26 - 1,65	4		165004	.218	5.54	.784	19.91	●	.160	4.06	–	–		47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	327043	.250	6.35	.858	21.79	●	.140	3.56	✔	✔		47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	320665	.297	7.54	.765	19.43	●	.140	3.56	✔	✔		47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	34155	.375	9.53	.920	23.37	●	.140	3.56	✔	✔		47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	165008	.280	7.11	.831	21.11	●	.142	3.61	✔	–		47386	59824-1	58433-3	2063030-1	58423-1
		10		34156	.375	9.53	.920	23.37	●	.140	3.56	✔	✔		47386	59824-1	58433-3	2063030-1	58423-1
16-14	1,04 - 2,62	6	M3.5	322994	.297	7.54	.765	19.43	●	.145	3.68	✔	✔		47387	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	34165	.385	9.78	.920	23.37	●	.170	4.32	–	–		47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	326741	.297	7.54	.765	19.43	●	.170	4.32	✔	–		47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	34166	.385	9.78	.920	23.37	●	.170	4.32	✔	✔		47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	165012	.250	6.40	.788	20.00	●	.195	4.95	✔	–		47387	59824-1	58433-3	2063030-1	58423-1
		10		34167	.385	9.78	.920	23.37	●	.170	4.32	✔	✔		47387	59824-1	58433-3	2063030-1	58423-1
			M5	160171	.385	9.78	.933	23.70	●	.193	4.90	–	–		47387	59824-1	58433-3	2063030-1	58423-1
12-10	2,62 - 6,64		M4.5	165015	.315	8.00	1.238	31.45	●	.252	6.40	–	–		59239-4	59824-1	58433-3	2063030-1	58423-1
		10		34176	.406	10.31	1.095	27.81	●	.230	5.84	✔	✔		59239-4	59824-1	58433-3	2063030-1	58423-1
		1/4	M6	165019	.530	13.46	1.307	33.19	●	.252	6.40	–	–		59239-4	59824-1	58433-3	2063030-1	58423-1

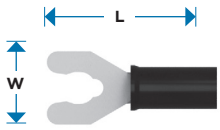


Spades: Flanged Spade

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
22-16	0,26 - 1,65	6	M3.5	322249	.296	7.52	.749	19.02	●	.140	3.56	✔	–		47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	324169	.416	10.57	.842	21.39	●	.140	3.56	✔	✔		47386	59824-1	58433-3	2063030-1	58423-1
		10		328516	.296	7.52	.749	19.02	●	.140	3.56	✔	✔		47386	59824-1	58433-3	2063030-1	58423-1
16-14	1,04 - 2,62	6	M3.5	324165	.294	7.47	.749	19.02	●	.170	4.32	✔	✔		47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	53874-1	.284	7.21	.749	19.02	●	.170	4.32	✔	–		47387	59824-1	58433-3	2063030-1	58423-1

Spades: Flanged Spade (continued)

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
			M5	160213	.294	7.47	.749	19.02	●	.173	4.39	–	–		47387	59824-1	58433-3	2063030-1	58423-1
12-10	2,62 - 6,64	6	M3.5	324581	.296	7.52	1.017	25.83	●	.230	5.84	✔	✔		59239-4	59824-1	58433-3	2063030-1	58423-1
		8	M4	324172	.416	10.57	1.017	25.83	●	.230	5.84	✔	✔		59239-4	59824-1	58433-3	2063030-1	58423-1
		10		52856	.416	10.57	1.017	25.83	●	.250	6.35	✔	–		59239-4	59824-1	58433-3	2063030-1	58423-1

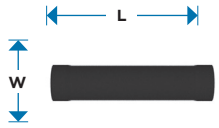


Short Spring Spade

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
22-16	0,26 - 1,65	4	M2.5	52947	.203	5.16	.811	20.60	●	.140	3.56	✔	–	2	47386	59824-1	58433-3	2063030-1	58423-1
		5	M3	52948	.250	6.35	.811	20.60	●	.140	3.56	✔	✔	2	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	52949	.250	6.35	.811	20.60	●	.140	3.56	✔	✔	2	47386	59824-1	58433-3	2063030-1	58423-1
		6	M3.5	53240-1	.234	5.94	.811	20.60	●	.140	3.56	✔	–	2	47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	53241-1	.244	6.20	.872	22.15	●	.140	3.56	✔	–	2	47386	59824-1	58433-3	2063030-1	58423-1
		10		53242-1	.294	7.47	.920	23.37	●	.140	3.56	✔	–	2	47386	59824-1	58433-3	2063030-1	58423-1
16-14	1,04 - 2,62	6	M3.5	52955	.250	6.35	.811	20.60	●	.170	4.32	✔	✔	2	47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	53244-1	.244	6.20	.872	22.15	●	.170	4.32	✔	✔	2	47387	59824-1	58433-3	2063030-1	58423-1
		10		52957	.406	10.31	.920	23.37	●	.170	4.32	✔	✔	2	47387	59824-1	58433-3	2063030-1	58423-1
12-10	2,62 - 6,64	6	M3.5	52961	.250	6.35	.959	24.36	●	.200	5.08	✔	–	2	59239-4	59824-1	58433-3	2063030-1	58423-1
		8	M4	53247-1	.312	7.92	1.052	26.72	●	.250	6.35	✔	✔	2	59239-4	59824-1	58433-3	2063030-1	58423-1
		10		52963-2	.406	10.31	1.100	27.94	●	.250	6.35	✔	–	2	59239-4	59824-1	58433-3	2063030-1	58423-1

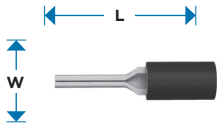
Long Spring Spade

22-16	0,26 - 1,65	6	M3.5	52453	.250	6.35	.945	24.00	●	.140	3.56	✔	✔	2	47386	59824-1	58433-3	2063030-1	58423-1
		8	M4	52454	.281	7.14	.991	25.17	●	.140	3.56	✔	✔	2	47386	59824-1	58433-3	2063030-1	58423-1
		10		52455	.343	8.71	1.017	25.83	●	.140	3.56	✔	✔	2	47386	59824-1	58433-3	2063030-1	58423-1
16-14	1,04 - 2,62	6	M3.5	52463	.250	6.35	.945	24.00	●	.170	4.32	✔	–	2	47387	59824-1	58433-3	2063030-1	58423-1
		8	M4	52464	.281	7.14	.991	25.17	●	.170	4.32	✔	✔	2	47387	59824-1	58433-3	2063030-1	58423-1
		10		52465	.343	8.71	1.017	25.83	●	.170	4.32	✔	–	2	47387	59824-1	58433-3	2063030-1	58423-1
12-10	2,62 - 6,64	8	M4	52474	.375	9.53	1.174	29.82	●	.200	5.08	✔	–	2	59239-4	59824-1	58433-3	2063030-1	58423-1
		10		52475	.375	9.53	1.219	30.96	●	.200	5.08	✔	–	2	59239-4	59824-1	58433-3	2063030-1	58423-1



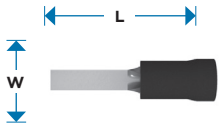
Butt Splices

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
26-22	0,10-0,41	**n.a.**		**321026**	**n.a.**		**.620**	15.75	🟡	**.080**	2.03	–	✔		46121				58423-1
22-16	0,26 - 1,65	**n.a.**		**34067**	**n.a.**		**1.065**	27.05	🔴	**.120**	3.05	✔	✔		45160		58433-3		58423-1
		n.a.		**34070**	**n.a.**		**1.076**	27.33	🔴	**.140**	3.56	✔	–		45160		58433-3		58423-1
		n.a.		**34243**	**n.a.**		**1.065**	27.05	🔴	**.170**	4.32	✔	✔		45160		58433-3		58423-1
		n.a.		**34203**	**n.a.**		**1.065**	27.05	🔴	**.083x.171**	2.11x4.34	–	–	1	45160		58433-3		58423-1
16-14	1,04 - 2,62	**n.a.**		**34068**	**n.a.**		**1.065**	27.05	🔵	**.140**	3.56	✔	✔		45575-1		58433-3		58423-1
		n.a.		**34071**	**n.a.**		**1.065**	27.05	🔵	**.170**	4.32	✔	✔		45575-1		58433-3		58423-1
		n.a.		**35244**	**n.a.**		**1.065**	27.05	🔵	**.215**	5.46	✔	✔		45575-1		58433-3		58423-1
		n.a.		**34204**	**n.a.**		**1.065**	27.05	🔵	**.135x.245**	3.43x6.22	✔	✔	1	45575-1		58433-3		58423-1
12-10	2,62 - 6,64	**n.a.**		**34069**	**n.a.**		**1.160**	29.46	🟡	**.200**	5.08	–	–		59489		58433-3		58423-1
		n.a.		**34072**	**n.a.**		**1.160**	29.46	🟡	**.230**	5.84	✔	✔		59489		58433-3		58423-1
		n.a.		**34945**	**n.a.**		**1.160**	29.46	🟡	**.250**	6.35	✔	✔		59489		58433-3		58423-1
Parrallel Splices																			
22-16	0,26 - 1,65	**n.a.**		**34131**	**n.a.**		**.760**	19.30	🔴	**.120**	3.05	–	–		45449				58423-1
		n.a.		**34132**	**n.a.**		**.760**	19.30	🔴	**.140**	3.56	–	–		45449				58423-1
16-14	1,04 - 2,62	**n.a.**		**34133**	**n.a.**		**.760**	19.30	🔵	**.140**	3.56	–	–		45450				58423-1
		n.a.		**34134**	**n.a.**		**.760**	19.30	🔵	**.170**	4.32	–	–		45450				58423-1
12-10	2,62 - 6,64	**n.a.**		**34135**	**n.a.**		**.843**	21.41	🟡	**.200**	5.08	–	–		59270				58423-1
		n.a.		**34136**	**n.a.**		**.870**	22.10	🟡	**.230**	5.84	–	–		59270				58423-1



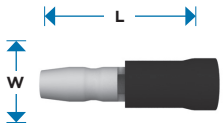
Wire Pins (formed)

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
22-16	0,26 - 1,65	n.a.	6.71	165143	.071	1.80	.807	20.50	●	.146	3.71	-	-		47386	59824-1	58433-3	2063030-1	58423-1
		n.a.	9.91	165167	.071	1.80	.937	23.80	●	.146	3.71	-	-		47386	59824-1	58433-3	2063030-1	58423-1
16-14	1,04 - 2,62	n.a.	6.71	165075	.071	1.80	.815	20.70	●	.193	4.90	-	-		47387	59824-1	58433-3	2063030-1	58423-1
		n.a.	9.91	165171	.071	1.80	.933	23.70	●	.193	4.90	-	-		47387	59824-1	58433-3	2063030-1	58423-1
12-10	2,62 - 6,64	n.a.	9.91	165085	.102	2.60	1.150	29.21	●	.252	6.40	✔	-		59239-4	59824-1	58433-3	2063030-1	58423-1



Wire Pins (flat)

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
22-16	0,26 - 1,65	n.a.	8.10	131443	.116	2.95	.906	23.00	●	.142	3.60	-	-		47386	59824-1	58433-3	2063030-1	58423-1
16-14	1,04 - 2,62	n.a.	8.10	131444	.116	2.95	.906	23.00	●	.193	4.90	-	-		47387	59824-1	58433-3	2063030-1	58423-1
12-10	2,62 - 6,64	n.a.	8.40	131445	.165	4.20	1.157	29.40	●	.252	6.40	-	-		59239-4	59824-1	58433-3	2063030-1	58423-1



Shur Plugs

Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in[4]		Re-marks	Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)	
AWG	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack		Certi-Crimp Hand Tool (best)	Tetra-Crimp Hand Tool (better)	Pro-Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
16-14	1,04 - 2,62	n.a.		324227	.156	3.96	.800	20.32	●	.193	4.90	-	-	3	47387	59824-1	58433-3	2063030-1	58423-1
		n.a.		324228	.180	4.57	.773	19.63	●	.193	4.90	-	-	3	47387	59824-1	58433-3	2063030-1	58423-1

REMARKS

A, B, C Code referring to shape of terminal, see on top of Ring Tongue Terminals chapter (page 2)

1. Oval expansion
2. Brass per ASTM B-36
3. Receptacles only available in PIDG version. Part numbers 165399-1 and 165429-1 are preferred
4. – Standard Part Number also available in Tape & Reel and/or Small Pack
   – Standard Part Number is not available in Tape & Reel and/or Small Pack

For all remarks and additional information see Customer Drawing on te.com

NOTE 1

SDE die sets can be used with the following powered tools:

1. 1.75 Ton Battery Tools 2217480-1 or 2217480-2
2. Pro-Crimper Adapter 679304-1 for the 626 Pneumatic Tool System
3. AT-300 Bench Terminator with SDE Adapter 1673663-2
4. AT-SC MK II Pneumatic Safety Crimping Machine 1-528050-0 with SDE Die Holder 2-525051-8

FREQUENTLY ASKED QUESTIONS TOOLING

Can wires be combined in PLASTI-GRIP terminals?
Yes they can, as long total CMA and insulation diameter fall within specification.

Are TE PLASTI-GRIP terminals MIL specified?
No, PLASTI-GRIP terminals are not Military qualified; Most PIDG and SOLISTRAND terminals are qualified to SAE AS7928.

What terminal should be used in applications above above 105 Celsius?
Use STRATO-THERM terminals (catalog 82011).

Why can PLASTI-GRIP terminals handle 600V and PIDG terminals just 300V?
There is no additional metallic sleeve to support the crimp (see picture).

Why is there no crimp height given for PLASTI-GRIP terminals?
It is the geometry of the TE crimping tools which guarantees the perfect crimp on PLASTI-GRIP terminals.



1. The conical sleeve serves for easier conductor insertion.
2. The coloured insulating sleeve facilitates assignment to the respective wire range and crimp tooling.
3. Serrations inside the wire sleeve ensure high tensile strength and conductivity.
4. The insulating sleeve protects and supports the wire after crimping. The widened insulating sleeve allows a large number of insulation diameters.

UNDERSTAND YOUR TE TOOLING OPTIONS

Commerical Portable Tools



58433-3 - PRO-CRIMPER
Commercial Hand Tool
(crimps most 26-10
AWG SOLISTRAND)



SDE Micro
Battey Tool



SDE
Die Sets

Premium Portable Tools



CERTI Crimp HHHT



CERTI Crimp 1.5
TOA Battery Tool



CERTI Crimp DAHT

Hydraulic Tooling



Shenk Dies



U Dies





Medium Duty Crimp Heads





Battery Tools



Hydraulic Pump

http://tooling.te.com

For questions about our connectivity solutions, please go to te.com.

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