



TE connectivity PIDG Terminals and Splices User Guide

[Home](#) » [TE connectivity](#) » TE connectivity PIDG Terminals and Splices User Guide 

Contents

- [1 TE connectivity PIDG Terminals and Splices](#)
- [2 FEATURES AND BENEFITS](#)
- [3 PRODUCT APPLICATIONS](#)
- [4 WHAT'S INSIDE](#)
- [5 MATERIAL](#)
- [6 REMARKS](#)
- [7 FREQUENTLY ASKED QUESTIONS](#)
- [TOOLING](#)
 - [7.1 NOTE 1](#)
- [8 TOOLING](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)
- [10 Related Posts](#)



TE connectivity PIDG Terminals and Splices



FEATURES AND BENEFITS

- Made of high conductivity copper; tin-plated for optimal corrosion protection
- Copper sleeve for vibration resistance and improved wire insulation support
- The body has inner serrations for maximum electrical contact and tensile strength
- Insulation sleeves are color-coded by wire size to the corresponding
 - TE Connectivity (TE) tooling for easy identification and termination
- Readily available at distributors in small packages or bulk quantities
- Most PIDG terminals and splices are UL/CSA listed and Mil-Spec approved
- Operating temperature 105°C; Operating voltage 300V

300V

Operating Voltage

105°

Max Operating
Temperature (in C)

MIL

MIL-SPEC Approval

PRODUCT APPLICATIONS

- Instruments/Control
- Lighting
- Power Supplies
- Panel Boxes
- Transportation
- Lifting equipment
- Motors
- Aerospace
- Appliances

WHAT'S INSIDE

TE Connectivity's PIDG terminals are designed for uniform reliability in the harshest circuit environments, especially where high vibration and wire movement are factors. They consist of a nylon or PVC insulated body, plus a metal sleeve that crimps to the wire insulation for added support. The wire barrel design is vibration resistant and supports the wire to bend in any direction without damaging the wire insulation or conductor. Millions of PIDG terminals and splices are still in the field many years after installation; a testament to the rigorous testing and research that went into their design and manufacturing. Many PIDG terminals meet or exceed the requirements of SAE AS7928, Type II, Class 1 and 2.

MATERIAL



- **Insulation:** Nylon, UL 94V-2
- **Terminal Body:** Copper per ASTM B-152
- **Plating:** Tin per ASTM B-545
- **Metallic Sleeve:** Copper per ASTM B-152

Ring Tongue Terminals																			
														Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)		
Wire Size		Studies		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Remarks	Certified Hand Tool Most UL Apvd	Mil-Spec Certified Hand Tool	Pro-Crimper (SDE) Hand Tool	SDE Die Set (Premium) Most UL Apvd	SDE Die Set (Commercial)
AWG	mm ²	Th	US		inch	mm	inch	mm		inch	mm	Tap & Rel	Small Pack						
26 – 24	0,12 – 0,24	2	M2	54310-1	.203	5,16	.739	18,77		.105	2,67			0,6	46121				

		4	M 2. 5	5218 9	.2 0 3	5, 16	.7 36	18 ,6 9	●	.1 0 5	2, 67			0, 6	461 21				
		6	M 3. 5	5307 3	.2 5 0	6, 35	.7 92	20 ,1 2	●	.1 0 5	2, 67			0, 6	461 21				
		8	M 4	5431 1-1	.2 8 1	7, 14	.8 14	20 ,6 8	●	.1 0 5	2, 67			0, 6	461 21				
		1 0		5431 2-1	.3 1 2	7, 92	.8 68	22 ,0 5	●	.1 0 5	2, 67	✓		0, 6	461 21				
26 – 22	0,1 2 – 0,4 1	0		3210 13	.1 4 0	3, 56	.5 25	13 ,3 4	●	.0 8 2	2, 08				461 21				
		2	M 2	3239 12	.1 4 0	3, 56	.5 25	13 ,3 4	●	.0 8 2	2, 08	✓	✓		461 21				
		2	M 2	3299 51	.1 4 0	3, 56	.6 15	15 ,6 2	●	.0 8 2	2, 08				461 21				
		4	M 2. 5	3239 14	.2 0 3	5, 16	.6 46	16 ,4 1	●	.0 8 2	2, 08	✓	✓	6	461 21				
		6	M 3. 5	3268 75	.2 5 0	6, 35	.7 40	18 ,8 0	●	.0 8 2	2, 08	✓	✓	6	461 21				
		6	M 3. 5	3239 15	.2 0 3	5, 16	.6 46	16 ,4 1	●	.0 8 2	2, 08	✓	✓		461 21				
		8	M 4	3239 16	.2 5 0	6, 35	.7 40	18 ,8 0	●	.0 8 2	2, 08	✓	✓	6	461 21				
		1 0		3240 75	.2 5 0	6, 35	.7 65	19 ,4 3	●	.0 8 2	2, 08	✓	✓	6	461 21				
24 – 20	0,1 6 – 0,6 5	2	M 2	3296 36	.1 0 6	4, 06	.5 89	14 ,9 6	○	.1 0 0	2, 54				479 07- 1				
		4	M 2. 5	3239 85	.2 8 1	7, 14	.7 74	19 ,6 6	○	.1 0 0	2, 54				479 07- 1				

		6	M 3. 5	3239 86	.2 8 1	7, 14	.7 74	19 ,6 6	○	.1 0 0	2, 54	✓			479 07- 1				
		8	M 4	3239 89	.3 1 2	7, 92	.8 21	20 ,8 5	○	.1 0 0	2, 54	✓			479 07- 1				
		1 0		3239 90	.3 1 2	7, 92	.8 21	20 ,8 5	○	.1 0 0	2, 54	✓			479 07- 1				
22 – 16	0,2 6 – 1,6 5	2	M 2	3286 57	.2 1 8	5, 54	.6 72	17 ,0 7	●	.1 2 5	3, 18	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		4	M 2. 5	3205 53	.2 1 8	5, 54	.6 72	17 ,0 7	●	.1 2 5	3, 18	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		4	M 2. 5	3188 0	.2 1 8	5, 54	.6 72	17 ,0 7	●	.1 4 0	3, 65	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		4	M 2. 5	3237 58	.2 5 0	6, 35	.8 44	21 ,4 4	●	.1 2 5	3, 18	✓			473 86	592 50	584 33- 3	20630 30-1	58423- 1
		4	M 2. 5	3306 48	.2 5 0	6, 35	.8 44	21 ,4 4	●	.1 4 0	3, 56	✓			473 86	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	5186 3	.2 5 0	6, 35	.7 82	19 ,8 6	●	.1 2 5	3, 18	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3615 1	.2 8 1	7, 14	.7 97	20 ,2 4	●	.1 2 5	3, 18	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3615 2	.2 8 1	7, 14	.7 97	20 ,2 4	●	.1 4 0	3, 56	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3614 9	.2 1 8	5, 54	.6 72	17 ,0 7	●	.1 2 5	3, 18	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3615 0	.2 1 8	5, 54	.6 72	17 ,0 7	●	.1 4 0	3, 56	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		8	M 4	3205 54	.2 8 1	7, 14	.7 97	20 ,2 4	●	.1 2 5	3, 18	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		8	M 4	3188 6	.2 8 1	7, 14	.7 97	20 ,2 4	●	.1 4 0	3, 56	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1

		8	M 4	3205 51	.3 1 2	7, 92	.8 44	21 ,4 4	●	.1 2 5	3, 18	✓		6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		8	M 4	3189 0	.3 1 2	7, 92	.8 44	21 ,4 4	●	.1 4 0	3, 56	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		3205 52	.2 8 1	7, 14	.7 97	20 ,2 4	●	.1 2 5	3, 18	✓			473 86	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		3188 7	.2 8 1	7, 14	.7 97	20 ,2 4	●	.1 4 0	3, 56	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		3615 3	.3 1 2	7, 92	.8 44	21 ,4 4	●	.1 2 5	3, 18	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		3615 4	.3 1 2	7, 92	.8 44	21 ,4 4	●	.1 4 0	3, 56	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
			M 5	1300 08	.3 1 2	7, 92	.8 50	21 ,6 0	●	.1 4 0	3, 56	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		1/ 4	M 6	3205 71	.4 6 9	11 ,9 1	1. 07 8	27 ,3 8	●	.1 2 5	3, 18	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		1/ 4	M 6	3189 4	.4 6 9	11 ,9 1	1. 07 8	27 ,3 8	●	.1 4 0	3, 56	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
			M 6	1300 46	.4 6 9	11 ,9 1	1. 08 3	27 ,5 0	●	.1 4 0	3, 56		✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		5/ 1 6	M 8	3205 72	.4 6 9	11 ,9 1	1. 07 8	27 ,3 8	●	.1 2 5	3, 18	✓		6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		5/ 1 6	M 8	3189 5	.4 6 9	11 ,9 1	1. 07 8	27 ,3 8	●	.1 4 0	3, 56	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		3/ 8		3205 73	.5 3 1	13 ,4 9	1. 21 8	30 ,9 4	●	.1 2 5	3, 18	✓		6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		3/ 8		3189 7	.5 3 1	13 ,4 9	1. 21 8	30 ,9 4	●	.1 4 0	3, 56	✓	✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1
		1/ 2	M 12	3289 75	.7 1 3	18 ,1 1	1. 29 3	32 ,8 4	●	.1 2 5	3, 18		✓	6	473 86	592 50	584 33- 3	20630 30-1	58423- 1

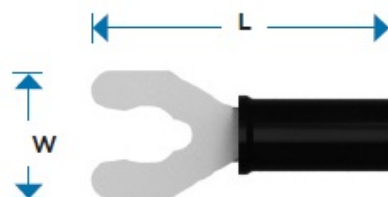
															Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)	
Wire Size		Studies		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Remarks	Certi-Crimp Hand Tool Most UL Appvd	Mil-Spec Certified Hand Tool	Pro-Crimper (SDE) Hand Tool	SDE Die Set (Premium) Most UL Appvd	SDE Die Set (Commercial)
AWG	mm ²	Th	em		inch	mm	inch	mm		inch	mm	Tap & Reel	Small Pack						
16 – 14	1,04 – 2,62	2	M2	324993	.180	4,57	.668	16,97	●	.170	4,32	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		4	M2.5	324159	.250	6,35	.703	17,86	●	.150	3,81	✓			47387	59250	58433-3	2063030-1	58423-1
		4	M2.5	328996	.250	6,35	.703	17,86	●	.170	4,32				47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	320561	.250	6,35	.703	17,86	●	.150	3,81	✓			47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	320619	.250	6,35	.703	17,86	●	.170	4,32				47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	326882	.312	7,92	.813	20,65	●	.170	4,32	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	51864	.312	7,92	.844	21,44	●	.150	3,81	✓	✓	6	47387	59250	58433-3	2063030-1	58423-1
		8	M4	51864-1	.312	7,92	.844	21,44	●	.150	3,81	✓	✓	6	47387	59250	58433-3	2063030-1	58423-1
		8	M4	320560	.343	8,71	.859	21,82	●	.150	3,81	✓	✓		47387	59250	58433-3	2063030-1	58423-1

		8	M 4	3205 65	.3 4 3	8, 71	.8 59	21 ,8 2	●	.1 70	4, 32	✓	✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		3205 74	.3 4 3	8, 71	.8 59	21 ,8 2	●	.1 50	3, 81	✓	✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		3616 0	.3 4 3	8, 71	.8 59	21 ,8 2	●	.1 70	4, 32	✓	✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
			M 5	1300 90	.3 4 3	8, 71	.8 64	21 ,9 4	●	.1 50	3, 80	✓			473 87	592 50	584 33- 3	20630 30-1	58423- 1
			M 5	1300 94	.3 4 3	8, 71	.8 64	21 ,9 4	●	.1 70	4, 30	✓	✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1/ 4	M 6	3205 63	.4 6 9	11 ,9 1	1. 07 8	27 ,3 8	●	.1 50	3, 81	✓	✓	6	473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1/ 4	M 6	3210 45	.4 6 9	11 ,9 1	1. 07 8	27 ,3 8	●	.1 70	4, 32	✓	✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
		5/ 1 6	M 8	3205 75	.4 6 9	11 ,9 1	1. 07 8	27 ,3 8	●	.1 50	3, 81	✓		6	473 87	592 50	584 33- 3	20630 30-1	58423- 1
		5/ 1 6	M 8	3289 98	.4 6 9	11 ,9 1	1. 07 8	27 ,3 8	●	.1 70	4, 32	✓	✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
		3/ 8		3205 64	.5 3 1	13 ,4 9	1. 21 8	30 ,9 4	●	.1 50	3, 81	✓	✓	6	473 87	592 50	584 33- 3	20630 30-1	58423- 1
		3/ 8		3289 99	.5 3 1	13 ,4 9	1. 21 8	30 ,9 4	●	.1 70	4, 32	✓	✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1/ 2	M 12	3289 76	.7 1 3	18 ,1 1	1. 29 3	32 ,8 4	●	.1 50	3, 81			6	473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1/ 2	M 12	3288 49	.7 1 3	18 ,1 1	1. 29 3	32 ,8 4	●	.1 70	4, 32				473 87	592 50	584 33- 3	20630 30-1	58423- 1
12 – 10	2,6 2 – 6,6 4	4	M 2. 5	3514 8	.2 8 1	7, 14	.9 53	24 ,2 1	●	.2 50	6, 35	✓	✓			592 39- 4	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3206 34	.2 8 1	7, 14	.9 53	24 ,2 1	●	.2 30	5, 84	✓				592 39- 4	584 33- 3	20630 30-1	58423- 1

		6	M 3. 5	3514 9	.2 8 1	7, 14	.9 53	24 ,2 1	●	.2 50	6, 35	✓	✓			592 39- 4	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3205 67	.3 7 5	9, 53	1. 08 3	27 ,5 1	●	.2 30	5, 84	✓		6		592 39- 4	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3510 7	.3 7 5	9, 53	1. 08 3	27 ,5 1	●	.2 50	6, 35	✓	✓	6		592 39- 4	584 33- 3	20630 30-1	58423- 1
		8	M 4	3578 7	.3 1 2	7, 92	1. 03 1	26 ,1 9	●	.2 30	5, 84	✓				592 39- 4	584 33- 3	20630 30-1	58423- 1
		8	M 4	3249 15	.3 1 2	7, 92	1. 05 2	26 ,7 2	●	.2 30	5, 84					592 39- 4	584 33- 3	20630 30-1	58423- 1
		8	M 4	3205 68	.3 7 5	9, 53	1. 08 3	27 ,5 1	●	.2 30	5, 84	✓		6		592 39- 4	584 33- 3	20630 30-1	58423- 1
		8	M 4	3510 8	.3 7 5	9, 53	1. 08 3	27 ,5 1	●	.2 50	6, 35	✓	✓	6		592 39- 4	584 33- 3	20630 30-1	58423- 1
		1 0		3249 18	.3 1 2	7, 92	1. 05 2	26 ,7 2	●	.2 30	5, 84	✓	✓			592 39- 4	584 33- 3	20630 30-1	58423- 1
		1 0		3288 3	.3 4 3	8, 71	1. 04 6	26 ,5 7	●	.2 30	5, 84	✓				592 39- 4	584 33- 3	20630 30-1	58423- 1
			M 5	1301 71	.3 7 5	9, 53	1. 09 0	27 ,6 8	●	.2 50	6, 35	✓				592 39- 4	584 33- 3	20630 30-1	58423- 1
		1 0		3616 1	.3 7 5	9, 53	1. 08 3	27 ,5 1	●	.2 30	5, 84	✓	✓	6		592 39- 4	584 33- 3	20630 30-1	58423- 1
		1 0		3510 9	.3 7 5	9, 53	1. 08 3	27 ,5 1	●	.2 50	6, 35	✓	✓	6		592 39- 4	584 33- 3	20630 30-1	58423- 1
		1/ 4	M 6	3205 69	.5 3 1	13 ,4 9	1. 32 2	33 ,5 8	●	.2 30	5, 84			6		592 39- 4	584 33- 3	20630 30-1	58423- 1
		1/ 4	M 6	3511 0	.5 3 1	13 ,4 9	1. 32 2	33 ,5 8	●	.2 50	6, 35	✓	✓	6		592 39- 4	584 33- 3	20630 30-1	58423- 1
		5/ 1 6	M 8	3205 76	.5 3 1	13 ,4 9	1. 32 2	33 ,5 8	●	.2 30	5, 84	✓				592 39- 4	584 33- 3	20630 30-1	58423- 1

26 – 22	0,1 0-0, 41	0		3220 01	.1 2 5	3, 18	.4 76	12 ,0 9		.0 8 2	2, 08				461 21				
		4	M 2. 5	3210 35	.2 0 3	5, 16	.6 27	15 ,9 3		.0 8 2	2, 08				461 21				
22 – 16	0,2 6-1, 65	2	M 2	3283 94	.1 8 2	4, 62	.7 27	18 ,4 7		.1 4 0	3, 56		✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		4	M 2. 5	3277 17	.2 1 8	5, 54	.6 74	17 ,1 2		.1 2 5	3, 18	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		5	M 3	3454 1	.2 9 7	7, 54	.8 46	21 ,4 9		.1 4 0	3, 56	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3408 0	.2 9 7	7, 54	.7 53	19 ,1 3		.1 2 5	3, 18	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3268 61	.2 9 7	7, 54	.7 53	19 ,1 3		.1 4 0	3, 56	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		8	M 4	3205 0	.3 7 5	9, 53	.9 08	23 ,0 6		.1 2 5	3, 18				473 86	592 50	584 33- 3	20630 30-1	58423- 1
		8	M 4	3205 3	.3 7 5	9, 53	.9 08	23 ,0 6		.1 4 0	3, 56	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		3205 1	.3 7 5	9, 53	.9 08	23 ,0 6		.1 2 5	3, 18	✓			473 86	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		3205 4	.3 7 5	9, 53	.9 08	23 ,0 6		.1 4 0	3, 56	✓	✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
16 – 14	1,0 4-2, 62	4	M 2. 5	1305 27	.2 5 0	6, 35	.8 13	20 ,6 5		.1 7 0	4, 32				473 87	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3205 8	.3 7 5	9, 35	.9 08	23 ,0 6		.1 7 0	4, 32				473 87	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3555 9	.2 9 7	7, 54	.7 53	19 ,1 3		.1 7 0	4, 32	✓	✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
		8	M 4	3205 6	.3 8 5	9, 78	.9 08	23 ,0 6		.1 5 0	3, 81	✓	✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1

		8	M 4	3205 9	.3 8 5	9, 78	.9 08	23 ,0 6	●	.1 7 0	4, 32		✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		3205 7	.3 8 5	9, 78	.9 08	23 ,0 6	●	.1 5 0	3, 81				473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		3206 0	.3 8 5	9, 78	.9 08	23 ,0 6	●	.1 7 0	4, 32		✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1 2	M 6	1305 37	.4 7 5	12 ,0 7	1. 10 3	28 ,0 1	●	.1 7 0	4, 32		✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
12 – 10	2,6 2-6, 64	6	M 3. 5	3229 85	.2 9 0	7, 37	.9 54	24 ,2 3	●	.2 3 0	5, 84	✓			473 87	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	3268 59	.3 1 2	7, 92	1. 09 5	27 ,8 1	●	.2 3 0	5, 84	✓				592 39- 4	584 33- 3	20630 30-1	58423- 1
		8	M 4	3258 8	.4 0 6	10 ,3 1	1. 09 5	27 ,8 1	●	.2 3 0	5, 84	✓	✓			592 39- 4	584 33- 3	20630 30-1	58423- 1
		8	M 4	3515 2	.4 0 6	10 ,3 1	1. 09 5	27 ,8 1	●	.2 5 0	6, 35	✓	✓			592 39- 4	584 33- 3	20630 30-1	58423- 1
		1 0		3258 9	.4 0 6	10 ,3 1	1. 09 5	27 ,8 1	●	.2 3 0	5, 84	✓	✓			592 39- 4	584 33- 3	20630 30-1	58423- 1
		1 2	M 6	1306 25	0. 5 3 1	13 ,5 0	1. 29 9	33 ,0 0	●	0. 2 5 2	6, 40		✓			592 39- 4	584 33- 3	20630 30-1	58423- 1

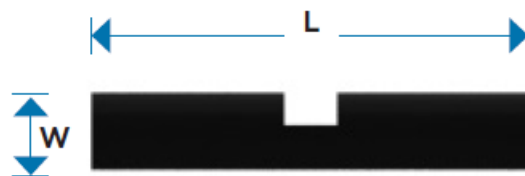


Long Spring Spade																			
														Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)		
Wire Size		Stud size		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Remarks	Cert i- Cr imp Hand Tool Most UL Apv d	Mil-Spec C Certified Hand Tool	Pro-Cri mper (S DE) Hand Tool	SDE Die Set (Premium) Most U L Apv d	SDE Die Set (Commercial)
AWG	mm 2	Th e U.S.	mm		in ch	mm	in ch	mm		in ch	mm	Tap e & Rel	S ma ll P ac k						
22 – 16	0,26-1,65	6	M 3.5	52409	.250	6,35	.276	7,01	Blue	.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
		8	M 4	52410	.281	7,14	.290	7,37	Blue	.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
		10		52411	.343	8,71	.303	7,70	Blue	.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
16 – 14	1,04-2,62	6	M 3.5	52420-1	.250	6,35	.933	23,70	Red	.170	4,32	✓	✓	1	47387	59250	58433-3	2063030-1	58423-1
		8	M 4	52421-1	.281	7,14	.979	24,87	Red	.170	4,32	✓	✓	1	47387	59250	58433-3	2063030-1	58423-1
		10		52422-1	.343	8,71	1.005	25,53	Red	.170	4,32	✓		1	47387	59250	58433-3	2063030-1	58423-1
12 – 10	2,62-6,64	8	M 4	52431-1	.375	9,53	1.174	29,82	Yellow	.250	6,35	✓		1		59239-4	58433-3	2063030-1	58423-1
		10		52432-1	.375	9,53	1.219	30,96	Yellow	.250	6,35	✓		1		59239-4	58433-3	2063030-1	58423-1



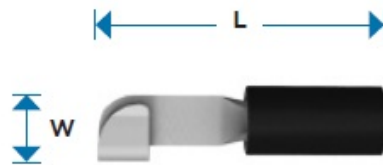
Short Spring Spade																			
															Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)	
Wire Size		Stud size		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Remarks	Certified Hand Tool Most UL Apvd	Mil-Spec Certified Hand Tool	Pro-Crimper (SDE) Hand Tool	SDE Die Set (Premium) Most UL Apvd	SDE Die Set (Commercial)
AWG	mm ²	Th e U.S.	mm		inch	mm	inch	mm		inch	mm	Tap e & Rel	S ma ll P ac k						
26 – 22	0,12 – 0,40	6	M 3.5	52924	.250	6,35	.679	17,25		.082	2,08	✓	✓	1	46121				
22 – 16	0,26 – 1,65	4	M 2.5	52927	.203	5,16	.799	20,29		.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
		5	M 3	52928	.250	6,35	.799	20,29		.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
		6	M 3.5	52929	.250	6,35	.799	20,29		.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
		8	M 4	52930	.375	9,53	.860	21,84		.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
		10		52931	.406	10,31	.908	23,06		.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
		12	M 6	52933	.625	18,88	1.033	26,24		.125	3,18		✓	1	47387	59250	58433-3	2063030-1	58423-1

16 – 14	1,0 4 – 2,6 2	5	M 3	5293 4	.2 5 0	6, 35	.7 99	20 ,2 9	●	.1 7 0	4, 32	✓	✓	1	473 87	592 50	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	5293 5	.2 5 0	6, 35	.7 99	20 ,2 9	●	.1 7 0	4, 32	✓	✓	1	473 87	592 50	584 33- 3	20630 30-1	58423- 1
		8	M 4	5293 6	.3 7 5	9, 53	.8 60	21 ,8 4	●	.1 7 0	4, 32	✓	✓	1	473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1 0		5293 7	.4 0 6	10 ,3 1	.9 08	23 ,0 6	●	.1 7 0	4, 32	✓	✓	1	473 87	592 50	584 33- 3	20630 30-1	58423- 1
		1 2	M 6	5293 9	.6 2 5	15 ,8 8	1. 03 3	26 ,2 4	●	.1 7 0	4, 32			1		592 39- 4	584 33- 3	20630 30-1	58423- 1
12 – 10	2,6 2 – 6,6 4	5	M 3	5294 0	.2 5 0	6. 35	.9 59	24 ,3 6	●	.2 5 0	6, 35	✓	✓	1		592 39- 4	584 33- 3	20630 30-1	58423- 1
		6	M 3. 5	5294 1	.2 5 0	6, 35	.9 59	24 ,3 6	●	.2 5 0	6, 35	✓	✓	1		592 39- 4	584 33- 3	20630 30-1	58423- 1
		8	M 4	5294 2	.3 7 5	9, 53	1. 05 2	26 ,7 2	●	.2 5 0	6, 35	✓	✓	1		592 39- 4	584 33- 3	20630 30-1	58423- 1
		1 0		5294 3	.4 0 6	10 ,3 1	1. 10 0	27 ,9 4	●	.2 5 0	6, 35	✓	✓	1		592 39- 4	584 33- 3	20630 30-1	58423- 1
		1 2	M 6	5294 5	.6 2 5	15 ,8 8	1. 22 5	31 ,1 2	●	.2 5 0	6, 35		✓	1		592 39- 4	584 33- 3	20630 30-1	58423- 1

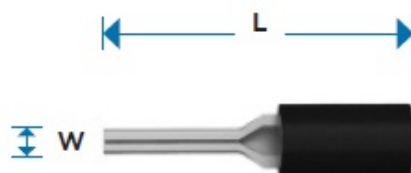


Butt Splices																			
														Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)		
Wire Size		Tab Thickness		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Remarks	Cert i- Cr imp Hand Tool Most UL Apv d	Mil-Spec Certified Hand Tool	Pro-Cri mper (SDE) Hand Tool	SDE Die Set (Premium) Most UL Apv d	SDE Die Set (Commercial)
AWG	mm ²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tap e & Reel	Small Pack						
26 – 24	0,12-0,24	n.a.		323994	n.a.		.890	22,61	Yellow	.082	2,08	✓		6	46121				
26 – 22	0,12-0,41	n.a.		2-323994-2	n.a.		.890	22,61	Yellow	.082	2,08		✓		46121				
24 – 20	0,16-0,65	n.a.		323975	n.a.		1.035	26,29	White	.100	2,54	✓		6	47907-1				
22 – 16	0,26-1,65	n.a.		320559	n.a.		1.265	32,13	Red	.125	3,18	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1
16 – 14	1,04-2,62	n.a.		320562	n.a.		1.265	32,13	Blue	.150	3,81	✓	✓	6	47387	59250	58433-3	2063030-1	58423-1
12 – 10	2,62-6,64	n.a.		320570	n.a.		1.656	42,06	Yellow	.220	5,59	✓	✓	6		59239-4	58433-3	2063030-1	58423-1

Stepdown Butt Splice																
16-14 to 22-18	1,04-2,62 to 0,26-0,96	n.a.	327583	n.a.	1.265	32,13		.150/.115	3,81/2,92		5	47387	59250	58433-3	2063030-1	58423-1
12-10 to 22-18	2,62-6,64 to 0,26-0,96	n.a.	327639	n.a.	1.656	42,06		.220/.140	5,59/3,56		5		59239-4	58433-3	2063030-1	58423-1
12-10 to 16-14	2,62-6,64 to 1,04-2,62	n.a.	327638	n.a.	1.656	42,06		.220/.170	5,59/4,32		5		59239-4	58433-3	2063030-1	58423-1



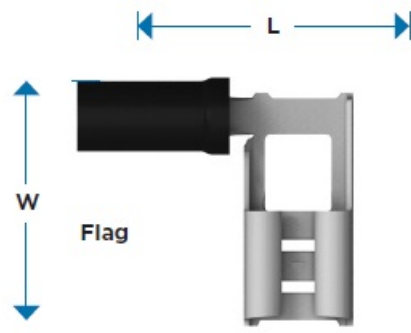
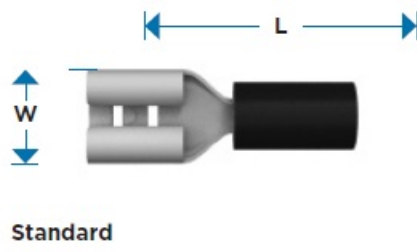
Knife Disconnects																			
															Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)	
Wire Size		Tab Thickness		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Remarks	Cert i- Cr imp Hand Tool Most UL Apv d	Mil- Spe c C ertifi ed Hand Tool	Pro- Cri mpe r (S DE) Hand Tool	SDE Die S et (Pr emiu m) M ost U L Apv d	SDE D ie Set (Comm ercial)
A W G	mm 2	U .S .	mm		in ch	mm	in ch	mm		in ch	mm	Tap e & Rel	S ma ll P ac k						
22 – 16	0,26-1,65	n.a.		320555	.203	5,16	.878	22,3	●	.125	3,18		✓		47386	59250	58433-3	2063030-1	58423-1
		n.a.		32446	.203	5,16	.878	22,3	●	.140	3,56	✓	✓		47386	59250	58433-3	2063030-1	58423-1
16 – 14	1,04-2,62	n.a.		32448	.203	5,16	.878	22,3	●	.170	4,32		✓		47387	59250	58433-3	2063030-1	58423-1
12 – 10	2,62-6,64	n.a.		35762	.281	7,14	1.260	32	●	.250	6,35		✓			59239-4	58433-3	2063030-1	58423-1



Wire Pins (formed)																		
26 -2 2	0,12 -0,4 1	n.a.	16551 4-1	.0 4 5	1, 14	.7 16	18 ,2 0	●	.8 3	2, 11		✓		473 86		584 33- 3	20630 30-1	58423- 1
22 -1 6	0,26 -1,6 5	n.a.	16514 2	.0 7 1	1, 80	.7 95	20 ,2 0	●	.1 4 2	3, 60		✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
			16516 8	.0 7 1	1, 80	.9 13	23 ,2 0	●	.1 4 2	3, 60		✓		473 86	592 50	584 33- 3	20630 30-1	58423- 1
16 -1 4	1,04 -2,6 2	n.a.	16504 6	.0 7 1	1, 80	.8 00	20 ,3 0	●	.1 7 0	4, 30		✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
			16517 2	.0 7 1	1, 80	.9 29	23 ,6 0	●	.1 7 0	4, 30		✓		473 87	592 50	584 33- 3	20630 30-1	58423- 1
12 -1 0	2,62 -6,6 4	n.a.	16504 9	.1 0 2	2, 60	1. 14 6	29 ,1 0	●	.2 4 8	6, 30		✓			592 39- 4	584 33- 3	20630 30-1	58423- 1
			16040 4-2	.1 3 8	3, 50	1. 31 9	33 ,5 0	●	.2 4 8	6, 30		✓	3		592 39- 4	584 33- 3	20630 30-1	58423- 1



Wire Pins (flat)																		
22 -1 6	0,26 -1,6 5	n.a.	1313 31	.1 1 6	2, 95	.9 05	23 ,0 0	●	.1 4 2	3, 60		✓	2	473 86	592 50	584 33- 3	20630 30-1	58423- 1
16 -1 4	1,04 -2,6 2	n.a.	1313 30	.1 1 5	2, 92	.8 91	22 ,6 3	●	.1 7 0	4, 30		✓	2	473 87	592 50	584 33- 3	20630 30-1	58423- 1
12 -1 0	2,62 -6,6 4	n.a.	1313 32	1. 6 1 4	4, 10	1. 15 0	29 ,2 0	●	.2 5 2	6, 40					592 39- 4	584 33- 3	20630 30-1	58423- 1



FASTON Receptacle (.250/6.35)																			
															Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)	
Wire Size		Tab Thickness		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Remarks	Certi-Crimp Hand Tool Most U L Apvd	Mil-Spec Certified Hand Tool	Pro-Crimper (SDE) Hand Tool	SDE Die Set (Premium) Most U L Apvd	SDE Die Set (Commercial)
AWG	mm2	U.S.	mm		inch	mm	inch	mm		inch	mm	Tap & Reel	Small Pack						
22-18	0,26-0,96	.032	0,81	640903-1	.300	7,62	.900	22,86		.140	3,56	✓	✓				58433-3	2063030-1	58423-1
22-16	0,30-1,50	.032	0,81	9-160583-2	.300	7,62	.874	22,20		.140	3,56		✓	3			58433-3	2063030-1	58423-1
16-14	1,04-2,62	.032	0,81	640905-1	.300	7,62	.900	22,86		.170	4,32	✓	✓				58433-3	2063030-1	58423-1
		.032	0,81	9-160313-2	.300	7,62	.913	23,20		.170	4,32	✓	✓	3			58433-3	2063030-1	58423-1
12-10	2,62-6,64	.032	0,81	640907-1	.300	7,62	1.012	25,70		.250	6,35	✓	✓				58433-3	2063030-1	58423-1
11-10	4,00-6,00	.031	0,80	160314-2	.300	7,62	1.015	26,00		.250	6,35		✓	3					

FASTON Flag Receptacle

FASTON Flag Receptacle (.250/6.35)

22 -1 8	0,30- 1,00	· 0 3 2	0 , 8 1	15666 7-1	. 6 1 0	15 ,4 9	. 7 60	19 ,3 0		· 1 4 0	3, 56		✓	3, 4			584 33- 3	20630 30-1	58423- 1
17 -1 5	1,20- 2,00	· 0 3 2	0 , 8 1	15666 6-1	. 6 1 0	15 ,4 9	. 7 60	19 ,3 0		· 1 7 0	4, 32		✓	3			584 33- 3	20630 30-1	58423- 1

FASTON Receptacle (.205/5.00)

22 -1 8	0,26- 0,96	· 0 2 0	0 , 5 1	64090 9-1	. 2 5 0	6, 35	. 8 00	20 ,3 2		· 1 4 0	3, 56	✓	✓				584 33- 3	20630 30-1	58423- 1
		· 0 3 2	0 , 8 1	64091 1-1	. 2 5 0	6, 35	. 8 00	20 ,3 2		· 1 4 0	3, 56	✓	✓				584 33- 3	20630 30-1	58423- 1
16 -1 4	1,04- 2,62	· 0 2 0	0 , 5 1	64091 3-1	. 2 5 0	6, 35	. 8 00	20 ,3 2		· 1 7 0	4, 32	✓	✓				584 33- 3	20630 30-1	58423- 1
		· 0 3 2	0 , 8 1	64091 5-1	. 2 5 0	6, 35	. 8 00	20 ,3 2		· 1 7 0	4, 32	✓	✓				584 33- 3	20630 30-1	58423- 1

FASTON Receptacle (.187/4.80)

26 -2 4	0.12- 0.24	. 0 2 0	0 , 5 1	64132 1-1	. 2 3 0	5, 84	. 7 00	17 ,7 8		. 0 8 2	2, 08	✓	✓					
22 -1 8	0,26- 0,96	. 0 2 0	0 , 5 1	64091 7-1	. 2 3 0	5, 84	. 8 00	20 ,3 2		. 1 4 0	3, 56	✓	✓			584 33- 3	20630 30-1	58423- 1
22 -1 5	0,30- 1,50	. 0 2 0	0 , 5 1	9- 16048 1-1	. 2 2 6	5, 74	. 8 22	20 ,8 8		. 1 4 0	3, 56	✓	✓	3				
		. 0 3 1	0 , 8 0	9- 16048 3-1	. 2 2 6	5, 74	. 8 22	20 ,8 8		. 1 4 0	3, 56	✓	✓	3				
16 -1 4	1,04- 2,62	. 0 2 0	0 , 5 1	64091 9-1	. 2 3 0	5, 84	. 8 00	20 ,3 2		. 1 7 0	4, 32	✓	✓			584 33- 3	20630 30-1	58423- 1
		. 0 2 0	0 , 5 0	9- 16047 7-2	. 2 3 0	5, 84	. 8 62	21 ,9 0		. 1 7 0	4, 30	✓	✓	3				
		. 0 3 1	0 , 8 0	9- 16047 9-2	. 2 2 6	5, 74	. 8 62	21 ,9 0		. 1 7 0	4, 30	✓	✓	3				

FASTON Receptacle (.110/2.80)																			
22 -1 8	0,26- 0,96	. 0 2 0	0 , 5 1	61060- 1	.1 4 8	3, 76	.7 34	18 ,6 4	●	. 1 1 0	2, 79	✓	✓						
		. 0 3 2	0 , 8 1	60894- 1	.1 4 8	3, 76	.7 34	18 ,6 4	●	. 1 1 0	2, 79	✓	✓						
22 -1 6	0,30- 1,50	. 0 3 1	0 , 8 0	16556 6-1	.1 4 6	3, 70	.7 80	19 ,8 0	●	. 1 3 8	3, 50		✓	3					
		. 0 2 0	0 , 5 0	16556 5-1	.1 4 6	3, 70	.7 80	19 ,8 0	●	. 1 3 8	3, 50	✓	✓	3					
16 -1 4	1,50- 2,50	. 0 2 0	0 , 5 1	16561 6-2	.1 4 6	3, 70	.7 80	19 ,8 0	●	. 1 7 0	4, 30	✓	✓	3					
		. 0 1 0	0 , 2 5	16561 7-2	.1 4 6	3, 70	.7 80	19 ,8 0	●	. 1 7 0	4, 30	✓	✓	3					



FASTON (.110/2.80) Low insertion force terminal

													Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)	
Wire Size		Tab Thickness		Standard Part Number	Width (W)		Length (L)		Max. Wire Insulation Dia.	Also available in		Remarks	Certi-Crimp Hand Tool Most Universal Apvd	Mil-Spec Certified Hand Tool	Pro-Crimper (SDE) Hand Tool	SDE Die Set (Premium) Most Universal Apvd	SDE Die Set (Commercial)
AWG	mm ²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tap & Reel	Small Pack				
26-24	0,12-0,24	.020	0,51	641324-1	.160	4,06	.700	17,78	Yellow	.082	2,08	✓					
22-18	0,26-0,96	.016	0,41	640921-1	.160	4,06	.800	20,32	Red	.140	3,56	✓			58433-3	2063030-1	58423-1
		.020	0,51	640923-1	.160	4,06	.800	20,32	Red	.140	3,56	✓	✓		58433-3	2063030-1	58423-1
		.032	0,81	640925-1	.160	4,06	.800	20,32	Red	.140	3,56	✓	✓		58433-3	2063030-1	58423-1
16-14	1,04-2,62	.020	0,51	640929-1	.160	4,06	.800	20,32	Blue	.170	4,32	✓	✓		58433-3	2063030-1	58423-1
		.032	0,81	640931-1	.160	4,06	.800	20,32	Blue	.170	4,30	✓	✓		58433-3	2063030-1	58423-1



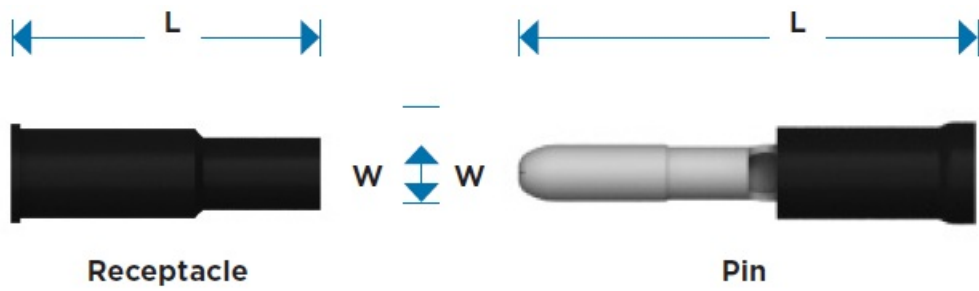
Tab Terminal																		
20 -1 8	0,50- 1,00	· 0 3 1	0 , 8 0	14089 6-2	.2 5 0	6, 35	.9 25	23 ,5 0	●	· 1 3 0	3, 30		✓	3	900 35- 3			
16 -1 4	1,30- 2,60	· 0 3 1	0 , 8 0	14097 1-2	.2 5 0	6, 35	.9 25	23 ,5 0	●	· 1 5 7	4, 00		✓	3	900 09- 8			
11 -1 0	4,00- 6,00	· 0 3 1	0 , 8 0	14108 5-2	.2 5 0	6, 35	1. 10 2	28 ,0 0	●	· 2 2 4	5, 70		✓	3	902 76- 2			



TAB (.250 splice for receptacle)																		
22 - 10	0,26 - 6,0 0	· 0 3 2	0 , 8 1	1- 32123 5-0	.4 0 9	10 ,3 9	2. 62 5	66 ,6 8	○	n.a								
				1- 32123 5-1	.4 0 9	10 ,3 9	2. 62 5	66 ,6 8	○	n.a								
				32123 5	.4 0 9	10 ,3 9	2. 09 3	53 ,1 6	○	n.a								



Piggy Back Terminal																			
22 -1 6	0,26- 1,65	. 0 3 2	0 , 8 1	16083 4-2	.2 5 0	6, 35	.9 27	23 ,5 5		. 1 4 0	3, 56		✓	3	473 86- 4				
16 -1 4	1,00- 2,50	. 0 3 2	0 , 8 1	9- 16046 3-2	.2 5 0	6, 35	.9 22	23 ,4 5		. 1 7 0	4, 32		✓	3	473 87- 7				



SHUR-PLUG Terminals																			
														Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)		
Wire Size		Style		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Remarks	Certi- Crimp H and Tool Most UL Apvd	Mil-Spec Certified Hand Tool	Pro-Crimper (SDE) Hand Tool	SDE Die Set (Premium) Most UL Apvd	SDE Die Set (Commercial)
AWG	mm2				inch	mm	inch	mm		inch	mm	Tap & Reel	Small Pack						
22-16	0,25-1,60	Pin		165590-1	.156	3,96	.799	20,30		.138	3,50		✓						
	0,50-1,50	Pin		141462-1	.118	3,00	.945	24,00		.134	3,40		✓						
		Recpt		141456-1	.118	3,00	.984	25,00		.130	3,30		✓						
	0,50-1,60	Recpt		165399-1	.156	3,96	.902	22,90		.114	2,90		✓						
16-14	1,04-2,62	Pin		324225	.156	3,96	.790	20,07		.170	4,32	✓	✓		47387-7		58433-3	2063030-1	58423-1
	1,04-2,62	Recpt		165429-1	.156	3,96	.972	24,70		.157	4,00		✓						

REMARKS

Must be crimped with 22-18 or 22-16 PIDG (red) tooling

- Body Springs Spade:** Phosphor Bronze per ASTM B-139
- Body:** Copper also according to DIN 1787 and EN 1676
- Body:** Brass according to ASTM B 36
- Sleeve:** Nickel Plating per SAE AMS QQ-N-290
- Adapter inserts can be ordered separately for use in specific standard PIDG Butt Splices
- Mill Specified
- Body:** Brass according to MIL-C-50

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

FREQUENTLY ASKED QUESTIONS TOOLING

Can wires be combined in PIDG terminals & splices?

Yes, they can as long total CMA (Circular Mil Area) and insulation diameter fall within specification.

Are PIDG terminals MIL specified?

Yes, most of them meet or exceed MIL-T-7928, Type II, classes 1 & 2.

What product should you choose if you need a higher temperature?

Use TE STRATO-THERM terminals (catalog 82011).

Why can PIDG terminals just handle 300V and PLASTI-GRIP terminals 600 V?

Because the additional copper sleeve is close to the end of the sleeve.

What is the advantage of this copper sleeve?

It provides circumferential insulation support to the wire and allows the wire to bend in any direction, without fraying the wire's insulation or breaking the conductor.

Why is there no crimp height given for PIDG terminals

It is the geometry of the TE crimping tools which ensures the perfect crimp on PIDG terminals.

NOTE 1

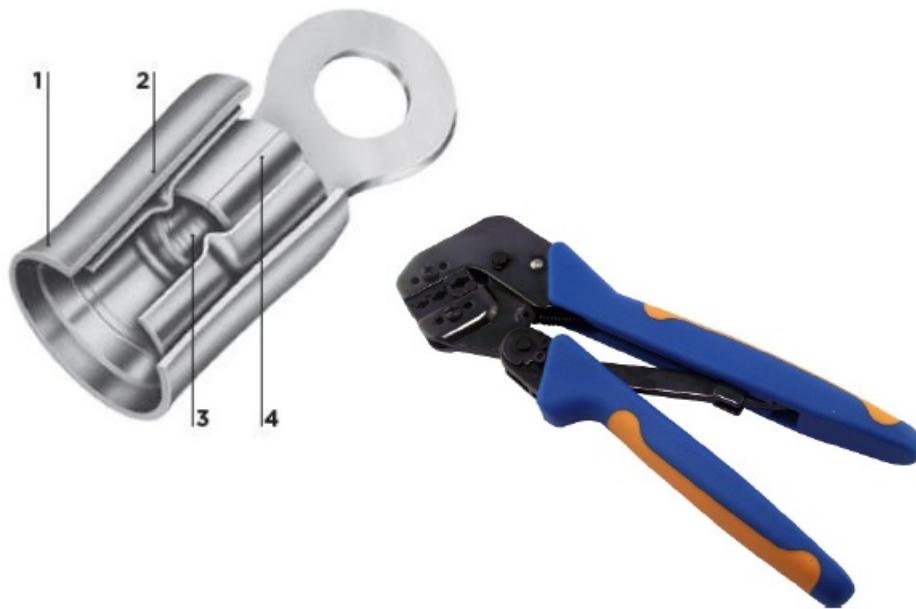
The die sets listed above can be used with the following powered tools

- 1.75 Ton Battery Tools 2217480-1 (110V) or 2217480-2 (220V)
- AT-300 Electric Crimping Machine 539630-2 (115V/230V) with SDE Adapter 1673663-2
- 626 Pneumatic Tool System with Pro-Crimper Adapter 679304-1
- AT-SC MK II Pneumatic Safety Crimping Machine 1-528050-0 with SDE Die Holder 2-528051-8

NOTE 2

Most 22-16, 16-14, and 12-10 AWG PIDG terminals and splices can be crimped using TETRA-CRIMP Hand Crimping Tool 59824-1 (UL approved)

TOOLING



1. The conical sleeve serves for easier conductor insertion.
2. The nylon insulating sleeve offers high dielectric strength. The color coding corresponds to the wire size.
3. Grooves inside the wire sleeve ensure high tensile strength and current transfer.
4. The copper sleeve provides optimal insulation support.

For questions about our connectivity solutions, please go to [te.com](https://www.te.com)

www.te.com/products/industrial-terminals-splices

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Documents / Resources

	TE connectivity PIDG Terminals and Splices [pdf] User Guide PIDG Terminals and Splices, PIDG, Terminals and Splices, Terminals, Splices
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References

-  [TE Connectivity: Connectors & Sensors for a Connected, Sustainable Future](#)
-  [TE Connectivity: Connectors & Sensors for a Connected, Sustainable Future](#)
-  [TE Connectivity: Connectors & Sensors for a Connected, Sustainable Future](#)
-  [Crimping Terminals to Wires: Application Tooling | TE Connectivity](#)
-  [TE Connectivity: Connectors & Sensors for a Connected, Sustainable Future](#)

Manuals+.