

PIDG TERMINALS & SPLICES

Quick Reference Guide

FEATURES AND BENEFITS

- Made of high conductivity copper; tin-plated for optimal corrosion protection
- Copper sleeve for vibration resistance and improved wire insulation support
- Body has inner serrations for maximum electrical contact and tensile strength
- Insulation sleeves are colour-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.



Short Spring Spade

										Manual Hand Tools				Die Sets for Powered Tools (See Note 1 for Powered Tool Options)					
Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Re-remarks	Certi-Crimp 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	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack						
26-22	0,12-0,40	6	M3.5	52924	.250	6,35	.679	17,25	●	.082	2,08	✓	✓	1	46121				
22-16	0,26-1,65	4	M2.5	52927	.203	5,16	.799	20,29	●	.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
		5	M3	52928	.250	6,35	.799	20,29	●	.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
		6	M3.5	52929	.250	6,35	.799	20,29	●	.125	3,18	✓	✓	1	47386	59250	58433-3	2063030-1	58423-1
		8	M4	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	M6	52933	.625	18,88	1.033	26,24	●	.125	3,18		✓	1	47387	59250	58433-3	2063030-1	58423-1
16-14	1,04-2,62	5	M3	52934	.250	6,35	.799	20,29	●	.170	4,32	✓	✓	1	47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	52935	.250	6,35	.799	20,29	●	.170	4,32	✓	✓	1	47387	59250	58433-3	2063030-1	58423-1
		8	M4	52936	.375	9,53	.860	21,84	●	.170	4,32	✓	✓	1	47387	59250	58433-3	2063030-1	58423-1
		10		52937	.406	10,31	.908	23,06	●	.170	4,32	✓	✓	1	47387	59250	58433-3	2063030-1	58423-1
		12	M6	52939	.625	15,88	1.033	26,24	●	.170	4,32			1		59239-4	58433-3	2063030-1	58423-1
12-10	2,62-6,64	5	M3	52940	.250	6,35	.959	24,36	●	.250	6,35	✓	✓	1		59239-4	58433-3	2063030-1	58423-1
		6	M3.5	52941	.250	6,35	.959	24,36	●	.250	6,35	✓	✓	1		59239-4	58433-3	2063030-1	58423-1
		8	M4	52942	.375	9,53	1.052	26,72	●	.250	6,35	✓	✓	1		59239-4	58433-3	2063030-1	58423-1
		10		52943	.406	10,31	1.100	27,94	●	.250	6,35	✓	✓	1		59239-4	58433-3	2063030-1	58423-1
		12	M6	52945	.625	15,88	1.225	31,12	●	.250	6,35		✓	1		59239-4	58433-3	2063030-1	58423-1

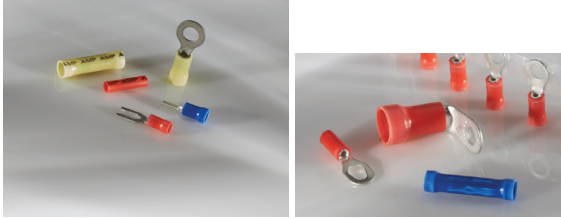


Butt Splices

										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		Re-remarks	Certi-Crimp 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	mm²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack						
26-24	0,12-0,24	n.a.		323994	n.a.	.890	22,61	●	.082	2,08		✓		6	46121				
26-22	0,12-0,41	n.a.		2-323994-2	n.a.	.890	22,61	●	.082	2,08		✓	✓		46121				
24-20	0,16-0,65	n.a.		323975	n.a.	1.035	26,29	○	.100	2,54		✓		6	47907-1				
22-16	0,26-1,65	n.a.		320559	n.a.	1.265	32,13	●	.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	●	.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	●	.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



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

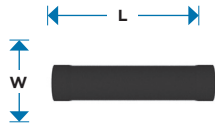
PRODUCT APPLICATIONS

- 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.



Butt Splices																			
														Manual Hand Tools			Dies for Powered Tools (see Note 1 for Tool Options)		
Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Wire Barrel Min. Inside Dia		Also available in ⁴		Re- marks	Certi- Crimp Hand Tool (best)	Tetra- Crimp Hand Tool (better)	Pro- Crimper (SDE) Hand Tool (good)	SDE Die Set (Premium)	SDE Die Set (Commercial)
AWG	mm ²	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack						
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
Parallel 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