

# SOLISTRAND Terminals and Splices

SOLISTRAND terminals and connectors are crimped to the conductor with the "W-crimp" tooling.

SOLISTRAND terminals and connectors are suitable for stranded conductors and formed solid-wire conductors - alone or in combination with other solid wires, special application guidelines can be referred to.

The dimensions of the terminal barrels keep the space requirements for AMP SOLISTRAND products extremely small. They are, especially well suited for compact packages. Their special design guarantees above average electrical and mechanical performance. SOLISTRAND terminals and connectors are available for a wide range from 0.4 mm<sup>2</sup> to 300 mm<sup>2</sup>.

SOLISTRAND terminals are made from electrolytic copper and are tin-plated to improve the corrosion resistance. The barrel has serrations to insure an optimal surface contact with maximum length.

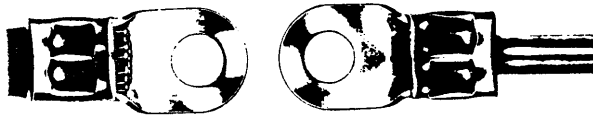
The bellmouth of the barrel entrance makes insertion of the stripped conductor easier.

The "W-crimp" has two characteristic depressions, which hold the conductor in the middle of the terminal barrel and guarantee surface contact.

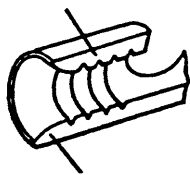
The connection often shows higher tensile strength than the conductor. At the same time it is fatigue safe and protected against vibration and corrosion.

The advantage of the W-crimp is its ability to crimp formed solid conductors. The only technically satisfactory solution to the connection of solid conductors without soldering.

High temperature versions - up to 650 °C - are available.

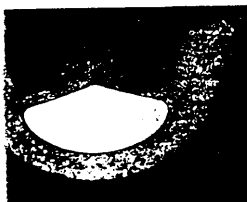


Inner Serrations provide maximum tensile strength

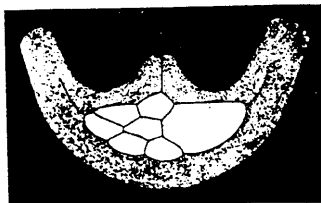


Bellmouth of barrel entrance for easier insertion of wires

## Conductor Combinations



One solid wire



One solid wire, one stranded wire

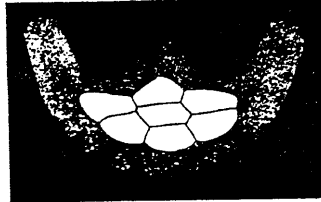


Two solid wires



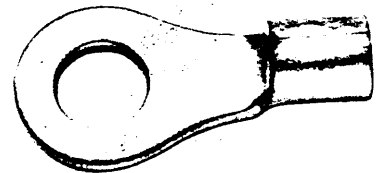
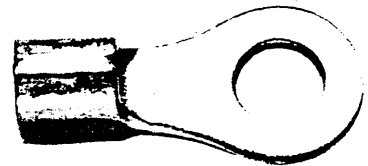
Two solid wires one stranded wire

970736



One stranded wire

## Ring Terminals

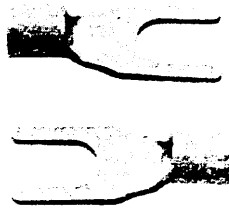


Wire Size Range mm <sup>2</sup>	Stud Size Metric	Part Number
0.4 - 1.0	M2.5	34104
	M3 & 3.5	34107
	M4	34108
	M5	34112
	M6	34113
	M3 & 3.5	34120
1.0 - 2.6	M4	32992
	M5	130106
	M6	34124
	M8	34125
	M9	34126
	M3 & 3.5	33456
2.7 - 6.6	M4	32994
	M5	130191
	M6	33458
	M8	33459
	M9	322458
	M10	160038

**General Products**

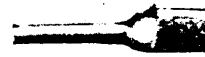
Wire Size Range mm <sup>2</sup>	Stud Size Metric	Part Number
6.7 - 10.5	M5	160013
	M6	33461
	M8	33462
	M9	33463
	* M10	160056
	M12	35664
10.6 - 16.7	M16	35665
	M5	130552
	M6	33465
	M8	33466
	M9	33467
	M10	160032
16.8 - 26.6	M12	36808
	M16	36809
	M6	33469
	M8	33470
	M9	33471
	M10	160075
26.7 - 42.4	M12	35668
	M16	35669
	M6	320138
	M8	35183
	M9	35184
	M10	160002
42.5 - 60.5	M12	35185
	M16	320754
	M20	320756
	M8	36916
	M9	36917
	M12	36919
M16	320744	

**Spade Terminals**



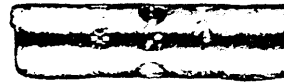
Wire Size Range mm <sup>2</sup>	Stud Size Metric	Part Number
0.25 - 1.6	M3 & 3.5	36195
	M4	34117
	M5	34118
1.0 - 2.6	M3 & 3.5	150368
	M5	34129

**Pin Terminals**



Wire Size Range mm <sup>2</sup>	Part Number
0.4 - 1.0	165140
1.1 - 2.6	165045
2.7 - 6.6	165048

**Butt Splices**



Wire Size Range mm <sup>2</sup>	Part Number
0.25 - 1.6	31818
1.0 - 2.6	31819
2.7 - 6.6	32151
6.7 - 10.5	36906
10.6 - 16.7	36886
16.8 - 26.6	320238
26.7 - 42.4	322246
42.5 - 60.5	36957

**Pre-Insulated Ring Terminals**

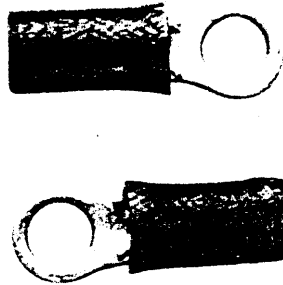
Wire Size Range mm <sup>2</sup>	Stud Size Metric	Part Number
0.1 - 0.4 Yellow	M2	321015
	M2.5	321017
	M3 + 3.5	321019
	M4	321021
	M5	321022
0.4 - 1.0 Red	M2.5	31880
	M3	36245
	M3.5	31881
	M4	31890
	M5	130005
	M6	31894
	M8	31893

**General Products**

Wire Size Range mm <sup>2</sup>	Stud Size Metric	Part Number
1.1 - 2.6 Blue	M2.5	32441
	M3 + M3.5	32442
	M4	31902
	M5	130090
	M6	31906
	M8	31907
	M4	35108
	M5	130171
2.7 - 6.6 Yellow	M6	130205
	M8	160298
	M10	130207

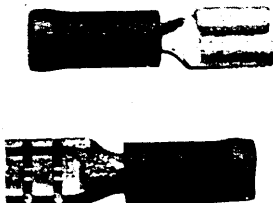
Wire Size Range mm <sup>2</sup>	To Suit Tab mm	Part Number
0.1 - 0.4 Yellow	2.0 x 0.5	152466
	2.8 x 0.5	152462
	2.8 x 0.5	165565-1
0.4 - 1.0 Red	4.8 x 0.5	9-160481-1
	4.8 x 0.8	9-160483-1
	6.3 x 0.8	9-160583-2
	4.8 x 0.5	9-160477-2
1.1 - 2.6 Blue	4.8 x 0.8	9-160479-2
	6.3 x 0.8	9-160313-2
2.7 - 6.6 Yellow	6.3 x 0.8	160314-2

**Pre-Insulated Spade Terminals**

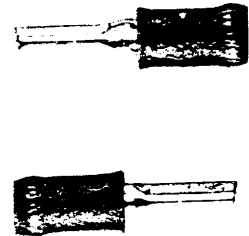


Wire Size Range mm <sup>2</sup>	Stud Size Metric	Part Number
0.1 - 0.4 Yellow	M2	321035
	M3 + 3.5	323011
	M3 + M3.5	34541
0.4 - 1.0 Red	M4	130517
	M5	32054
	M3	32058
1.1 - 2.6 Blue	M4	130532
	M5	160170
	M3 + 3.5	342197-1
2.7 - 6.6 Yellow	M4	130446
	M5	130620

**FASTON Tab Receivers**



**Pre-Insulated Pin Terminals**



Wire Size Range mm <sup>2</sup>	Part Number
0.1 - 0.4 Yellow	165514-1
0.5 - 1.6 Red	165168
1.0 - 2.6 Blue	165172
2.7 - 6.6 Yellow	165049

**Insulated Butt Splices**

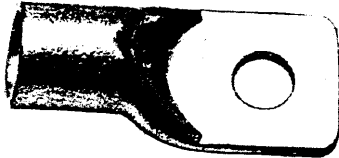


Wire Size Range mm <sup>2</sup>	Part Number
0.1 - 0.4 Yellow	321026
0.4 - 1.0 Red	34070
1.1 - 2.6 Blue	34071
2.7 - 6.6 Yellow	34072

General Products

AMPOWER

Heavy Duty Terminals



Wire Size Range mm <sup>2</sup>	Stud Size Metric	Part Number
	Blank	181300-2
	M5	181302-2
10-16 Stranded	M6	181303-2
10 Flexible	M8	181510-2
	M10	181511-2
	M12	181512-2
	Blank	181304-2
25 Stranded	M6	181307-2
16 Flexible	M8	181308-2
	M10	181513-2
	M12	181514-2
	Blank	181309-2
35 Stranded	M6	181311-2
25-35 Flexible	M8	181312-2
	M10	181313-2
	M12	181515-2
	Blank	181314-2
50 Stranded	M6	181316-2
50 Flexible	M8	181317-2
	M10	181318-2
	M12	181319-2
	Blank	181324-2
	M8	181322-2
70 Stranded	M10	181326-2
70 Flexible	M12	181327-2
	M15	181328-2
	M17	181329-2
	Blank	181335-2
	M10	181333-2
95 Stranded	M12	181337-2
	M15	181338-2
	M17	181339-2
	M18	181340-2

Wire Size Range mm <sup>2</sup>	Stud Size Metric	Part Number
	Blank	181346-6
	M10	181344-2
120-125 Stranded	M12	181348-2
95-100 Flexible	M15	181349-2
	M17	181350-2
	M18	181351-2
	M21	181352-2
	Blank	181359-2
	M12	181357-2
150-160 Stranded	M15	181361-2
120-125 Flexible	M17	181362-2
	M18	181363-2
	M21	181365-2
	Blank	181375-2
	M12	181379-2
185-200 Stranded	M15	181371-2
150-200 Flexible	M17	181377-2
	M18	181378-2
	M21	181381-2
	M23	181382-2
	Blank	181393-2
	M12	181389-2
240-250 Stranded	M15	181395-2
240-250 Flexible	M17	181396-2
	M18	181397-2
	M21	181399-2
	M23	181420-2
	Blank	181413-2
	M12	181407-2
300-315 Stranded	M15	181415-2
300-315 Flexible	M17	181416-2
	M18	181417-2
	M21	181419-2
	M23	181420-2
	Blank	181435-3
	M12	182523-2
400-500 Stranded	M15	181437-2
400-450 Flexible	M17	181438-2
	M18	181439-2
	M21	181441-2
	M23	181442-2

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