AMPOWER TERMINALS AND SPLICES

Product Facts

- Designed for large cables and leads
- Ideally suited for power generation and distribution
- Accepts a wide range of stranded copper wires (6 AWG to 1000 MCM [13-507 mm^2]—for terminals and up to 1500 MCM [760 mm^2] for splices)
- Available in a variety of terminal and splice styles
- High-quality, seamless tubular copper for maximum conductivity
- Listed by Underwriters Laboratories, Inc. File No. E13288, Spec. 486
- Certified by the Canadian Standards Association File No. LR7189

THE AMPOWER PRODUCT LINE IS AVAILABLE IN A VARIETY OF TERMINAL AND SPLICE STYLES TO SUIT YOUR DESIGN REQUIREMENTS.

AMPOWER terminals and splices are ideally suited for power generation and distribution. This makes electrical equipment subject to continuous operation, such as generators, motors and welders, a perfect application for AMPOWER products. In addition, other applications include interconnections of power supplies to computers and peripheral equipment

Contents

CRIMP METHOD

Our compression crimping method of terminating electrical wire is an exact science. The application technique is totally mechanical and therefore completely controllable. For this reason it is also uniform from first to last crimp. Variables common to other methods such as melting temperature, flux composition, entrapped gases, heat deformation of conductors, oxidation and the like are eliminated. The termination resulting from this method offers excellent tensile strength and high conductivity.

AMPOWER terminals and splices are made of high quality seamless tubular copper for excellent conductivity. Our special tin plating process inhibits corrosion, and provides trouble- free service. A special die stamping process converts the copper tube into a double thickness rectangular tongue with a short strong transfer section. These factors combine with the formulated AMPOWER terminal crimp to produce excellent conductivity and excellent strength.

SPECIFIED PACKAGING

Wire Size	No. of Terminals Per Package
6 and 4 AWG	100
2 AWG and 1/0 thru 4/0 AWG	50
250-1500 MCM	25

STUD SIZE DIMENSIONS*

Stud Size	Stud Dia.	Stud Hole Dia.
10	**0.190** 4.83	**0.197** 5.00
1/4 M6	**0.250** 6.35	**0.265** 6.75
5/6 M8	**0.312** 7.92	**0.328** 8.33
3/8	**0.375** 9.53	**0.390** 9.91
7/16	**0.437** 11.1	**0.453** 11.51
1/2 M12	**0.500** 12.7	**0.515** 13.08
5/8 M16	**0.625** 15.88	**0.656** 16.66
3/4	**0.750** 19.05	**0.781** 19.84
7/8 M22	**0.875** 22.23	**0.906** 23.01
1	**1.000** 25.4	**1.031** 26.19
1 1/8	**1.125** 28.58	**1.156** 29.36
1 1/4	**1.250** 31.75	**1.281** 32.54

*Use as an aid for the selection of proper terminal size

inches / (mm)

AMPOWER Terminals and Splices

Table Listing: mm^2 to AWG

OVERVIEW
WIRE SIZES:

mm^2 to AWG (American Wire Gauge)

Wire Sizes	
(mm^2)	(AWG)
13-15	6
21	4
34-35	2
50-60	1/0
67-70	2/0
80-95	3/0
100-125	4/0
127	250 MCM
152	300 MCM
177	350 MCM
203	400 MCM
253	500 MCM
304	600 MCM*
	600 MCM HD*
355	700 MCM*
405	800 MCM*
456	900 MCM*
507	1000 MCM*
634	1250 MCM*
761	1500 MCM*

* Terminals and splices of wire size 600 MCM and above require two crimps for optimum mechanical and electrical performance.

OVERVIEW

Class 2 and Class 5 Wire Sizes

Rigid Stranded Wires (Class 2)	Flexible Wires (Class 5)
Wire Sizes (mm^2)	
10.0	6.0
16.0	10.0
25.0	16.0
35.0	25.0
50.0	35.0
70.0	50.0
95.0	70.0
120.0	95.0
150.0	120.0
185.0	150.0
240.0	185.0
300.0	240.0

1. VERSATILITY

Stranded wires, crimped with the DYNA-CRIMP tool, become almost a homogeneous mass with the AMPOWER terminal or splice barrel. Long barrel terminals and splices are offered for applications where space limitations and accessibility make it difficult to locate the proper crimp area. Complementing this versatility is the stud hole style available with AMPOWER terminals. They are supplied with one, two or without stud holes for special requirements, or they can be ordered with extra long tongues at a slightly higher cost.

2. STRENGTH

AMPOWER terminals have formidable strength and resistance to vibration suitable for their intended use. This strength comes from the double-thick tongue and short transfer section of the barrel, and is achieved without sacrificing any current carrying capacity. In addition, great tensile strength is imparted to the AMPOWER terminals and splices by means of AMP's formulated "C" crimp-tensile strength approaches the strength of the conductors.

3. ECONOMY

An important part of all AMP products is low installed cost. This is a result of the tool and terminal team, the elimination of clutter found in other methods, plus the speed and ease of application. And AMP's matching tooling creates the correct crimp. As a result, you save money every time an AMPOWER product is installed.

Terminals
With Two Stud Holes
See pages 6-10

Long Barrel Terminal
Without Stud Hole
See pages 6-10

Standard Terminals
With One Stud Hole
See pages 6-10

Parallel Splice
See page 12

Standard Terminals
Without Stud Hole
See pages 6-10

Butt Splice
See page 11

Long Barrel
Butt Splice
See page 10

4. CONDUCTIVITY, CORROSION RESISTANCE AND TEMPERATURE RISE

The center of the AMP termination method is the exactly controlled "C" crimp that forms the terminal or splice barrel into an almost homogeneous unit. As a result, conductivity is maximized and tensile strength approaches that of the wire. Proper compression crimping brings the terminal into intimate contact with the conductor, producing excellent resistance to corrosion. Tests of temperature rise above ambient also confirm the excellent performance of AMPOWER terminals and splices.

5. POSITIVE INSPECTION

Standard AMPOWER terminals and splices are supplied with inspection slots in the barrel, allowing the tool operator or inspector to determine at a glance whether the conductors have been fully and properly inserted into the barrel. This can be done either before or after crimping. Wire stops prevent over insertion of conductors, and bell mouth construction makes it easy to insert conductors into the barrel.

6. BROAD WIRE SIZE RANGE

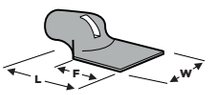
Covering wire sizes from 6 AWG to 1000 MCM [13 to 507 mm^2]—for terminals and up to 1500 [760 mm^2] for splices. AMPOWER terminals and splices provide reliability and low cost installation for power equipment using large cable sizes.

Note: See page 13 for Special Terminals.

BASE MATERIAL:

Annealed Copper (ASTM B-188)[2]

Electrodeposited Tin Plate (MIL-T-10727)



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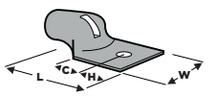

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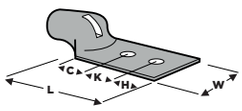

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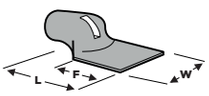

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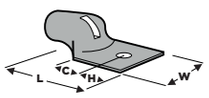

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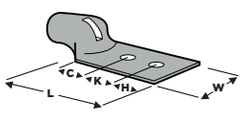

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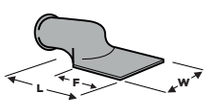

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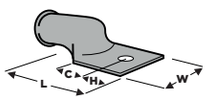

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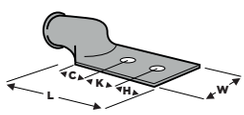

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Wire Size	Wire Range	Barrel I.D. Min.	Tongue Thickness Max.	Style	Stud Size	Dimensions						Part Number
						L Max.	H Max.	C Min.	K	F Min.	W Max.	
6 AWG[2] 13-15 mm²	20,800-33,100 CM	**0.219** 5.56	**0.08** 2.03	B	**10** -	**1.41** 35.81	**0.32** 8.13	**0.42** 10.67	-	-	**0.69** 17.53	328141
				B	**1/4** M6	**1.41** 35.81	**0.32** 8.13	**0.42** 10.67	-	-	**0.69** 17.53	328142
				B	**5/16** M8	**1.41** 35.81	**0.32** 8.13	**0.42** 10.67	-	-	**0.69** 17.53	328143
				B	**3/8** -	**1.41** 35.81	**0.32** 8.13	**0.42** 10.67	-	-	**0.69** 17.53	328144
				B	**1/2** M12	**1.43** 36.32	**0.38** 9.65	**0.43** 10.92	-	-	**0.77** 19.56	328158
4 AWG[2] 21 mm²	33,100-52,600 CM	**0.275** 6.99	**0.08** 2.03	A	-	**1.41** 35.81	-	-	-	**0.74** 18.80	**0.69** 17.53	328160
				B	**1/4** M6	**1.41** 35.81	**0.32** 8.13	**0.42** 10.67	-	-	**0.69** 17.53	328162
				B	**5/16** M8	**1.41** 35.81	**0.32** 8.13	**0.42** 10.67	-	-	**0.69** 17.53	328163
				B	**3/8** -	**1.41** 35.81	**0.32** 8.13	**0.42** 10.67	-	-	**0.69** 17.53	328164
				B	**1/2** M12	**1.46** 37.08	**0.40** 10.16	**0.43** 10.92	-	-	**0.77** 19.56	328178
2 AWG 34-35 mm²	52,600-83,700 CM	**0.362** 9.19	**0.09** 2.29	A	-	**1.62** 41.15	-	-	-	**0.82** 20.83	**0.71** 18.03	325200
				B	**1/4** M6	**1.62** 41.15	**0.34** 8.64	**0.50** 12.70	-	-	**0.71** 18.03	325201
				B	**5/16** M8	**1.62** 41.15	**0.34** 8.64	**0.50** 12.70	-	-	**0.71** 18.03	325202
				B	**3/8** -	**1.62** 41.15	**0.34** 8.64	**0.50** 12.70	-	-	**0.71** 18.03	325203
				A	-	**2.62** 66.55	-	-	-	**1.83** 46.48	**0.71** 18.03	325207
				B	**1/2** M12	**1.70** 43.18	**0.41** 10.41	**0.50** 12.70	-	-	**0.78** 19.81	325250
				C	**3/8** -	**2.63** 66.80	**0.34** 8.64	**0.50** 12.70	**1.00** 25.40	-	**0.71** 18.03	326799
1/0 AWG 50-60 mm²	83,700-119,500 CM	**0.485** 11.63	**0.10** 2.54	A	-	**1.97** 50.04	-	-	-	**1.03** 26.16	**0.87** 22.10	325300
				A	-	**3.05** 77.47	-	-	-	**2.03** 51.56	**0.87** 22.10	325308
				G	-	**4.25** 107.70	-	-	-	**2.83** 71.88	**0.87** 22.10	325318
				B	**1/4** M6	**1.97** 50.04	**0.42** 10.67	**0.62** 15.75	-	-	**0.87** 22.10	325301
				B	**5/16** M8	**1.97** 50.04	**0.42** 10.67	**0.62** 15.75	-	-	**0.87** 22.10	325302
				B	**3/8** -	**1.97** 50.04	**0.42** 10.67	**0.62** 15.75	-	-	**0.87** 22.10	325303
				B	**7/16** -	**1.97** 50.04	**0.42** 10.67	**0.62** 15.75	-	-	**0.87** 22.10	325304
				C	**5/16** M8	**2.94** 74.68	**0.42** 10.67	**0.62** 15.75	-		**0.87** 22.10	328169
				B	**1/2** M12	**1.97** 50.04	**0.42** 10.67	**0.62** 15.75	-	-	**0.87** 22.10	325305
				C	**3/8** -	**2.98** 75.69	**0.42** 10.67	**0.62** 15.75	**1.00** 25.40	-	**0.87** 22.10	326800
				I	**1/2** M12	**4.27** 108.46	**0.42** 10.67	**0.62** 15.75	**1.75** 44.45	-	**0.87** 22.10	53680-2

[1] Per NEMA specification.
[2] Terminals for wire sizes 6 AWG and 4 AWG are manufactured from annealed copper per ASTM B-152.

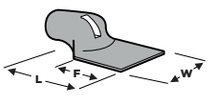
inches / (mm)

Dimensions displayed in **inches** / mm unless otherwise specified and are shown for reference purposes only. Specifications subject to change.

BASE MATERIAL:

Annealed Copper (ASTM B-188)

Electrodeposited Tin Plate (MIL-T-10727)



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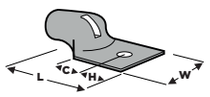

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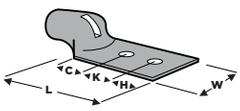

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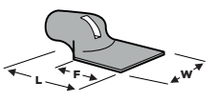

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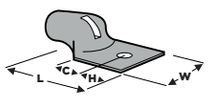

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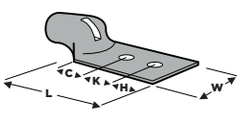

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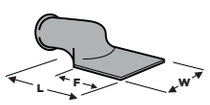

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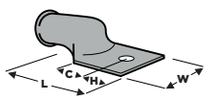

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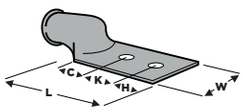

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Wire Size	Wire Range	Barrel I.D. Min.	Tongue Thickness Max.	Style	Stud Size	Dimensions						Part Number
						L Max.	H Max.	C Min.	K	F Min.	W Max.	
2/0 AWG 67-70 mm²	119,500-150,500 CM	**0.513** 13.03	**0.11** 2.79	B	**1/4** M6	**2.11** 53.59	**0.47** 11.94	**0.62** 15.75	-	-	**0.97** 24.64	325401
				B	**5/16** M8	**2.11** 53.59	**0.47** 11.94	**0.62** 15.75	-	-	**0.97** 24.64	325402
				C	**5/16** M8	**3.02** 76.71	**0.42** 10.67	**0.88** 22.35	**0.687** 17.45	-	**0.97** 24.64	50990
				C	**5/16** M8	**2.50** 63.50	**0.32** 8.13	**0.50** 12.70	**0.687** 17.45	-	**0.97** 24.64	55992-1
				B	**3/8** -	**2.11** 53.59	**0.47** 11.94	**0.62** 15.75	-	-	**0.97** 24.64	325403
				B	**1/2** M12	**2.11** 53.59	**0.47** 11.94	**0.62** 15.75	-	-	**0.97** 24.64	325405
				A	-	**3.86** 98.04	-	-	-	**2.83** 71.88	**0.97** 24.64	325406
				C	**3/8** -	**3.12** 79.25	**0.47** 11.94	**0.62** 15.75	**1.00** 25.40	-	**0.97** 24.64	326801
				H	**3/8** -	**2.72** 69.09	**0.47** 11.94	**0.62** 15.75	-	-	**0.97** 24.64	325410
				I	**1/2** M12	**4.47** 113.54	**0.47** 11.94	**0.62** 15.75	**1.75** 44.45	-	**0.97** 24.64	53681-2
3/0 AWG 80-95 mm²	150,500-190,000 CM	**0.576** 14.63	**0.12** 3.05	B	**5/16** M8	**2.26** 57.40	**0.52** 13.21	**0.62** 15.75	-	-	**1.08** 27.43	325502
				B	**3/8** -	**2.26** 57.40	**0.52** 13.21	**0.62** 15.75	-	-	**1.08** 27.43	325503
				B	**1/2** M12	**2.26** 57.40	**0.52** 13.21	**0.62** 15.75	-	-	**1.08** 27.43	325505
				A	-	**4.02** 102.11	-	-	-	**2.89** 73.41	**1.08** 27.43	325508
				C	**5/16** M8	**3.27** 83.05	**0.52** 13.21	**0.62** 15.75	**1.00** 25.40	-	**1.08** 27.43	325516
				I	**1/2** M12	**4.69** 119.13	**0.52** 13.21	**0.62** 15.75	**1.75** 44.45	-	**1.08** 27.43	53682-2
				C	**3/8** -	**3.27** 83.05	**0.52** 13.21	**0.62** 15.75	**1.00** 25.40	-	**1.08** 27.43	326802
4/0 AWG 100-125 mm²	190,000-231,000 CM	**0.648** 16.46	**0.13** 3.30	A	-	**2.45** 62.23	-	-	-	**1.19** 30.23	**1.19** 30.23	325600
				B	**5/16** M8	**2.45** 62.23	**0.59** 14.99	**0.62** 15.75	-	-	**1.19** 30.23	325602
				B	**3/8** -	**2.45** 62.23	**0.59** 14.99	**0.62** 15.75	-	-	**1.19** 30.23	325603
				B	**3/8** -	**2.45** 62.23	**0.59** 14.99	**0.62** 15.75	-	-	**1.19** 30.23	325602-2**
				B	**1/2** M12	**2.45** 62.23	**0.59** 14.99	**0.62** 15.75	-	-	**1.19** 30.23	325605
				C	**3/8** -	**3.46** 87.88	**0.59** 14.99	**0.62** 15.75	**1.00** 25.40	-	**1.19** 30.23	326803
				A	-	**4.21** 106.93	-	-	-	**2.95** 74.93	**1.19** 30.23	325610
				A	-	**3.46** 87.88	-	-	-	**2.20** 55.88	**1.19** 30.23	325611
				G	-	**4.94** 125.48	-	-	-	**2.95** 74.93	**1.19** 30.23	325614
				C	**1/2** M12	**4.21** 106.93	**0.59** 14.99	**0.62** 15.75	**1.75** 44.45	-	**1.19** 30.23	327284
				I	**1/2** M12	**4.94** 125.48	**0.59** 14.99	**0.62** 15.75	**1.75** 44.45	-	**1.19** 30.23	53683-2

** No sight hole.
[1] Per NEMA specification.

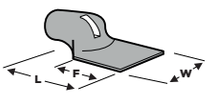
inches / (mm)

Dimensions displayed in **inches** / mm unless otherwise specified and are shown for reference purposes only.
Specifications subject to change.

BASE MATERIAL:

Annealed Copper (ASTM B-188)

Electrodeposited Tin Plate (MIL-T-10727)



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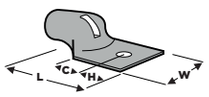

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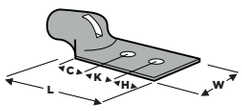

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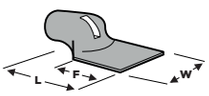

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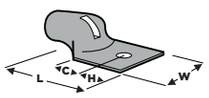

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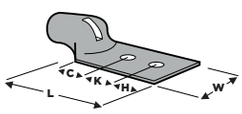

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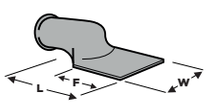

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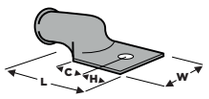

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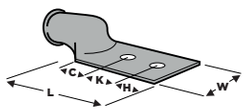


I[1]

Wire Size	Wire Range	Barrel I.D. Min.	Tongue Thickness Max.	Style	Stud Size	Dimensions						Part Number
						L Max.	H Max.	C Min.	K	F Min.	W Max.	
250 MCM 127mm²	231-275 MCM	**0.690** 17.53	**0.15** 3.81	B	**5/16** M8	**2.58** 65.53	**0.63** 16.00	**0.62** 15.75	-	-	**1.28** 32.51	325702
				B	**3/8** -	**2.58** 65.53	**0.63** 16.00	**0.62** 15.75	-	-	**1.28** 32.51	325703
				B	**1/2** M12	**2.58** 65.53	**0.63** 16.00	**0.62** 15.75	-	-	**1.28** 32.51	325705
				B	**5/8** -	**2.70** 68.57	**0.63** 16.00	**0.75** 19.05	-	-	**1.28** 32.51	325707
				A	-	**2.89** 73.41	-	-	-	**1.54** 39.12	**1.28** 32.51	325708
				A	-	**4.84** 122.94	-	-	-	**3.49** 88.65	**1.28** 32.51	325712
				A	-	**4.84** 122.94	-	-	-	**3.49** 88.65	**1.28** 32.51	1-325712-3*
				G	-	**5.63** 143.	-	-	-	**3.54** 89.92	**1.28** 32.51	325719
				C	**3/8** -	**3.59** 91.19	**0.63** 16.00	**0.62** 15.75	**1.00** 25.40	-	**1.28** 32.51	326804
				C	**1/2** M12	**4.34** 110.24	**0.63** 16.00	**0.62** 15.75	**1.75** 44.45	-	**1.28** 32.51	327285
300 MCM 152mm²	275-325 MCM	**0.758** 19.25	**0.16** 4.06	C	**5/16** M8	**3.58** 90.93	**0.63** 16.00	**0.62** 15.75	**.875** 22.23	-	**1.38** 35.05	276917-1
				B	**5/16** M8	**2.69** 68.33	**0.63** 16.00	**0.62** 15.75	-	-	**1.40** 32.56	325802
				B	**3/8** -	**2.69** 68.33	**0.63** 16.00	**0.62** 15.75	-	-	**1.40** 32.56	325803
				B	**3/8** -	**2.69** 68.33	**0.63** 16.00	**0.62** 15.75	-	-	**1.40** 32.56	325803-1**
				B	**1/2** M12	**2.69** 68.33	**0.63** 16.00	**0.62** 15.75	-	-	**1.40** 32.56	325805
				B	**1/2** M12	**2.69** 68.33	**0.63** 16.00	**0.62** 15.75	-	-	**1.40** 32.56	325805-1**
				A	-	**2.82** 71.63	-	-	-	**1.37** 34.80	**1.40** 32.56	2-325806-2*
				B	**5/8** -	**2.82** 71.63	**0.63** 16.00	**0.75** 19.05	-	-	**1.40** 32.56	325807
				C	**3/8** -	**3.70** 93.98	**0.63** 16.00	**0.62** 15.75	**1.00** 25.40	-	**1.40** 32.56	326805
				C	**3/8** -	**3.70** 93.98	**0.63** 16.00	**0.62** 15.75	**1.00** 25.40	-	**1.40** 32.56	326805-1**
				C	**1/2** M12	**4.43** 112.52	**0.63** 16.00	**0.62** 15.75	**1.75** 44.45	-	**1.40** 32.56	327286
				B	**3/8** -	**2.42** 61.47	**0.41** 10.41	**0.62** 15.75	-	-	**1.40** 32.56	325814
				C	**3/8** -	**4.51** 114.55	**0.63** 16.00	**0.62** 15.75	**1.00** 25.4	-	**1.40** 32.56	55993-1
				A	-	**5.15** 130.81	-	-	-	**3.70** 93.98	**1.40** 32.56	325816
				G	-	**6.01** 152.65	-	-	-	**3.70** 93.98	**1.40** 32.56	325821
				I	**1/2** M12	**5.25** 133.35	**0.62** 15.49	**0.62** 15.75	**1.75** 44.45	-	**1.40** 32.56	53684-2

**Cleaned but not plated.
**No sight hole.
[1] Per NEMA specification.

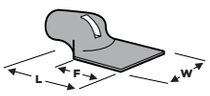
inches / (mm)

Dimensions displayed in **inches** / mm unless otherwise specified and are shown for reference purposes only.
Specifications subject to change.

BASE MATERIAL:

Annealed Copper (ASTM B-188)

Electrodeposited Tin Plate (MIL-T-10727)



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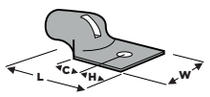

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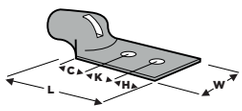

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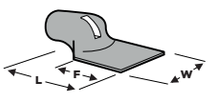

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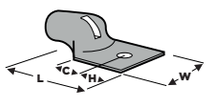

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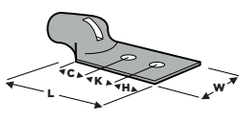

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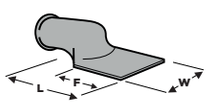

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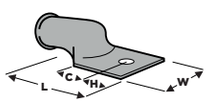

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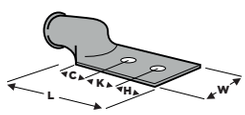


I[1]

Wire Size	Wire Range	Barrel I.D. Min.	Tongue Thickness Max.	Style	Stud Size	Dimensions						Part Number
						L Max.	H Max.	C Min.	K	F Min.	W Max.	
350 MCM 177mm²	325-375 MCM	**0.819** 20.80	**0.17** 4.32	A	-	**4.54** 115.32	-	-	-	**3.00** 76.20	**1.51** 38.35	325917
				B	**1/2** M12	**4.06** 103.12	**0.54** 13.72	**0.71** 18.03	**1.25** 31.75	-	**1.51** 38.35	325926-1**
				A	-	**2.86** 72.64	-	-	-	**1.41** 35.81	**1.51** 38.35	325956*
				B	**3/8** -	**2.79** 70.87	**0.63** 16.00	**0.62** 15.75	-	-	**1.51** 38.35	325903
				B	**1/2** M12	**2.79** 70.87	**0.63** 16.00	**0.62** 15.75	-	-	**1.51** 38.35	325905
				B	**1/2** M12	**2.79** 70.87	**0.63** 16.00	**0.62** 15.75	-	-	**1.51** 38.35	325905-1**
				A	-	**2.91** 73.91	-	-	-	**1.42** 36.07	**1.51** 38.35	325906
				C	**3/8** -	**3.79** 96.27	**0.63** 16.00	**0.62** 15.75	**1.00** 25.40	-	**1.51** 38.35	326806
				C	**3/8** -	**3.79** 96.27	**0.63** 16.00	**0.62** 15.75	**1.00** 25.40	-	**1.51** 38.35	326806-1**
				C	**1/2** M12	**4.55** 115.57	**0.63** 16.00	**0.62** 15.75	**1.75** 44.45	-	**1.51** 38.35	327287
				I	**1/2** M12	**5.47** 138.94	**0.63** 16.00	**0.62** 15.75	**1.75** 44.45	-	**1.51** 38.35	53641-2
400 MCM 203mm²	375-450 MCM	**0.876** 22.25	**0.18** 4.57	B	**3/8** -	**2.89** 73.41	**0.63** 16.00	**0.62** 15.75	-	-	**1.61** 40.89	326003
				B	**1/2** M12	**2.89** 73.41	**0.63** 16.00	**0.62** 15.75	-	-	**1.61** 40.89	326005
				B	**1/2** M12	**2.89** 73.41	**0.63** 16.00	**0.62** 15.75	-	-	**1.61** 40.89	326005-2**
				B	**5/8** M16	**3.01** 76.45	**0.63** 16.00	**0.75** 19.05	-	-	**1.61** 40.89	326007
				A	-	**3.59** 91.19	-	-	-	**1.99** 50.55	**1.61** 40.89	1-326012-2*
				A	-	**4.88** 123.95	-	-	-	**3.24** 82.30	**1.61** 40.89	326016
				C	**3/8** -	**3.90** 99.06	**0.63** 16.00	**0.62** 15.75	**1.00** 25.40	-	**1.61** 40.89	326807
				G	-	**5.87** 149.10	-	-	-	**3.21** 81.53	**1.61** 40.89	326021
				H	**5/8** M16	**4.00** 101.60	**0.63** 16.00	**0.75** 19.05	-	-	**1.61** 40.89	326020
500 MCM 253mm²	450-550 MCM	**0.981** 24.92	**0.20** 5.08	B	**3/8** -	**3.29** 83.57	**0.76** 19.30	**0.75** 19.05	-	-	**1.80** 45.72	326103
				B	**1/2** M12	**3.29** 83.57	**0.76** 19.30	**0.75** 19.05	-	-	**1.80** 45.72	326105
				B	**5/8** M16	**3.29** 83.57	**0.76** 19.30	**0.75** 19.05	-	-	**1.80** 45.72	326106
				A	-	**3.43** 87.12	-	-	-	**1.68** 42.67	**1.80** 45.72	326107-1*
				A	-	**3.79** 96.27	-	-	-	**2.04** 51.82	**1.80** 45.72	2-326111-1*
				A	-	**5.00** 127.00	-	-	-	**3.25** 82.55	**1.80** 45.72	326117
				C	**1/2** M12	**4.80** 121.92	**0.61** 15.49	**0.62** 15.75	**1.75** 44.45	-	**1.80** 45.72	327289
				C	**3/8** -	**4.05** 102.87	**0.63** 16.00	**0.62** 15.75	**1.00** 25.40	-	**1.80** 45.72	326808
				G	-	**6.08** 154.43	-	-	-	**3.20** 81.28	**1.80** 45.72	326123
				I	**1/2** M12	**5.88** 149.35	**0.63** 16.00	**0.62** 15.75	**1.75** 44.45	-	**1.80** 45.72	53642-2

**Cleaned but not plated.
**No sight hole.
[1] Per NEMA specification.

inches / (mm)

Dimensions displayed in **inches** / mm unless otherwise specified and are shown for reference purposes only.
Specifications subject to change.

BASE MATERIAL:

Annealed Copper (ASTM B-188)

Electrodeposited Tin Plate (MIL-T-10727)

Note: Refer to art on facing page

Wire Size	Wire Range	Barrel I.D. Min.	Tongue Thickness Max.	Style	Stud Size	Dimensions						Part Number
						L Max.	H Max.	C Min.	K	F Min.	W Max.	
600[2] MCM 304mm[2]	500-650 MCM	**1.075** 27.31	**0.22** 5.59	F	1/2 M12	**4.46** 113.28	**0.54** 13.72	**0.71** 18.03	**1.25** 31.75	-	**1.95** 49.53	276916-1
				D	-	**4.02** 102.11	-	-	-	**2.12** 53.85	**1.95** 49.53	1-326211-1
				G	-	**6.28** 159.51	-	-	-	**3.25** 82.55	**1.95** 49.53	326222
				F	3/8 -	**4.22** 107.19	**0.63** 16.00	**0.62** 15.75	**1.00** 25.40	-	**1.95** 49.53	326809-1**
				F	1/2 M12	**4.97** 126.24	**0.63** 16.00	**0.62** 15.75	**1.75** 44.45	-	**1.95** 49.53	327290
				F	1/2 M12	**4.97** 126.24	**0.63** 16.00	**0.62** 15.75	**1.75** 44.45	-	**1.95** 49.53	327290-1**
700[2] MCM 355mm[2]	650-750 MCM	**1.162** 29.51	**0.24** 6.10	E	1/2 M12	**3.59** 91.19	**0.76** 19.30	**0.75** 19.05	-	-	**2.12** 53.85	326305
				I	1/2 M12	**6.35** 161.29	**0.63** 16.00	**0.62** 15.75	**1.75** 44.45	-	**2.12** 53.85	53686-2
800[2] MCM 405mm[2]	750-850 MCM	**1.242** 31.55	**0.25** 6.35	E	1/2 -	**3.72** 94.49	**0.76** 19.30	**0.75** 19.05	-	-	**2.26** 57.40	326405
				E	5/8 M12	**3.72** 94.49	**0.76** 19.30	**0.75** 19.05	-	-	**2.26** 57.40	326406
				D	-	**4.47** 113.54	-	-	-	**2.24** 56.90	**2.26** 57.40	2-326413-1*
				F	1/2 M12	**5.23** 132.84	**0.63** 16.00	**0.62** 15.75	**1.75** 44.45	-	**2.26** 57.40	327292
1000[2] MCM 507mm[2]	950-1125 MCM	**1.390** 35.31	**0.28** 7.11	F	1/2 M12	**5.63** 143.00	**0.63** 16.00	**0.81** 20.57	**1.75** 44.45	-	**2.51** 63.75	327294

**Cleaned but not plated.
**No sight hole.
[2] Two crimps necessary.

inches / (mm)

Splices

Long Barrel Butt Splice

WIRE SIZE RANGE:

1/0 AWG to 500 MCM (50 to 253 mm[2])

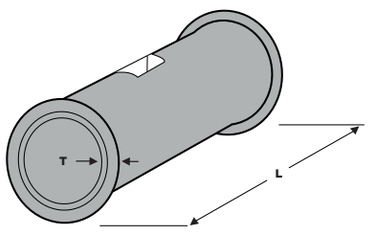
BASE MATERIAL:

Annealed Copper (ASTM B-188)

Electrodeposited Tin Plate (MIL-T-10727)

Wire Size	Wire Range	Barrel I.D. Min.	Dimensions		Part Number
			T	L Max.	
1/0 AWG	83,700-119,500 CM	**0.468** 11.89	**0.042** 1.07	**2.42** 61.47	53081
4/0 AWG	190-231 MCM	**0.658** 16.71	**0.059** 1.50	**3.24** 82.30	53084
250 MCM	231-275 MCM	**0.700** 17.78	**0.065** 1.65	**3.51** 89.15	53085
350 MCM	325-378 MCM	**0.829** 21.06	**0.077** 1.96	**4.06** 103.12	53087
400 MCM	375-450 MCM	**0.886** 22.50	**0.083** 2.11	**4.34** 110.24	53088
500 MCM	450-550 MCM	**0.991** 25.17	**0.092** 2.34	**4.75** 120.65	53089

inches / (mm)



Dimensions displayed in **inches** / mm unless otherwise specified and are shown for reference purposes only.
Specifications subject to change.

Butt Splice

WIRE SIZE RANGE:
2 AWG to 1000 MCM (34 to 507mm²)

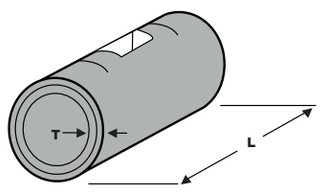
BASE MATERIAL:
Annealed Copper (ASTM B-188)

Electrodeposited Tin Plate (MIL-T-10727)

Wire Size	Wire Range	Barrel I.D. Min.	Dimensions		Part Number
			T	L Max.	
2 AWG	52,600-83,700 CM	**0.372** 9.45	**0.039** 0.99	**1.05** 26.67	324457
1/0 AWG	83,700-119,500 CM	**0.468** 11.89	**0.042** 1.07	**1.24** 31.50	324458
2/0 AWG	119,500-150,500 CM	**0.523** 13.28	**0.047** 1.19	**1.38** 35.05	324459
3/0 AWG	150,500-190,000 CM	**0.586** 14.88	**0.053** 1.35	**1.52** 38.61	324460
3/0 AWG	150,500-190,000 CM	**0.586** 14.88	**0.053** 1.35	**1.77** 44.96	1-324460-3
4/0 AWG	190-231 MCM	**0.658** 16.71	**0.059** 1.50	**1.65** 41.91	324461
4/0 AWG	190-231 MCM	**0.658** 16.71	**0.059** 1.50	**1.89** 48.01	2-324461-3
250 MCM	231-275 MCM	**0.700** 17.78	**0.065** 1.65	**1.79** 45.47	324462
300 MCM	275-325 MCM	**0.768** 19.51	**0.071** 1.80	**1.93** 49.02	324463
300 MCM	275-325 MCM	**0.768** 19.51	**0.071** 1.80	**2.15** 54.61	2-324463-4*
350 MCM	325-375 MCM	**0.829** 21.06	**0.077** 1.96	**2.06** 52.32	324464
400 MCM	375-450 MCM	**0.886** 22.50	**0.083** 2.11	**2.20** 55.88	324465
500 MCM	450-550 MCM	**0.991** 25.17	**0.092** 2.34	**2.41** 61.21	324466
500 MCM[1]	450-550 MCM	**0.991** 25.17	**0.092** 2.34	**2.64** 67.06	2-324466-2
600 MCM[1]	550-650 MCM	**1.085** 27.56	**0.101** 2.57	**2.61** 66.29	324467
600 MCM[1]	550-650 MCM	**1.085** 27.56	**0.101** 2.57	**2.84** 72.14	2-324467-3
700 MCM	650-750 MCM	**1.172** 29.77	**0.109** 2.77	**2.79** 70.87	324468
800 MCM[1]	750-850 MCM	**1.252** 31.80	**0.118** 3.00	**2.96** 75.18	324469
800 MCM[1]	750-850 MCM	**1.252** 31.80	**0.118** 3.00	**3.31** 84.07	2-324469-2
900 MCM[1]	850-950 MCM	**1.328** 33.73	**0.125** 3.18	**3.13** 79.50	324470
1000 MCM[1]	950-1125 MCM	**1.400** 35.56	**0.131** 3.33	**3.27** 83.06	324471
1000 MCM[1]	950-1125 MCM	**1.400** 35.56	**0.131** 3.33	**3.62** 91.95	2-324471-1

*Cleaned but not plated.
[1] Two crimps necessary on each end.

inches / (mm)



Dimensions displayed in **inches** / mm unless otherwise specified and are shown for reference purposes only.
Specifications subject to change.

Parallel Splice

WIRE SIZE RANGE:
2 AWG to 1000 MCM (34 to 507mm²)

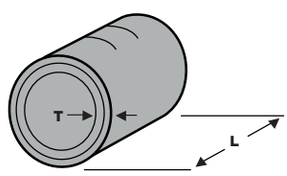
BASE MATERIAL:
Annealed Copper (ASTM B-188)

Electrodeposited Tin Plate (MIL-T-10727)

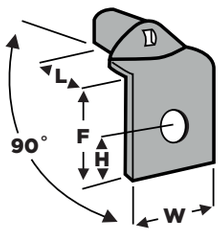
Wire Size	Wire Range	Barrel I.D. Min.	Dimensions		Part Number
			T	L Max.	
2 AWG	52,600-83,700 CM	**0.372** 9.45	**0.039** 0.99	**0.49** 12.45	324442
2 AWG	52,600-83,700 CM	**0.372** 9.45	**0.039** 0.99	**0.49** 12.45	1-324442-0*
1/0 AWG	83,700-119,500 CM	**0.468** 11.89	**0.042** 1.07	**0.58** 14.73	324443
2/0 AWG	119,500-190,000 CM	**0.523** 13.28	**0.047** 1.19	**0.64** 16.26	324444
2/0 AWG	119,500-190,000 CM	**0.523** 13.28	**0.047** 1.19	**0.64** 16.26	1-324444-0*
3/0 AWG	150,500-190,000 CM	**0.586** 14.88	**0.053** 1.35	**0.71** 18.03	324445
4/0 AWG	190-231 MCM	**0.658** 16.71	**0.059** 1.50	**0.77** 19.56	324446
4/0 AWG	190-231 MCM	**0.658** 16.71	**0.059** 1.50	**0.77** 19.56	1-324446-0*
250 MCM	231-275 MCM	**0.700** 17.78	**0.065** 1.65	**0.83** 21.08	324447
300 MCM	275-325 MCM	**0.768** 19.51	**0.071** 1.80	**0.89** 22.61	324448
300 MCM	275-325 MCM	**0.768** 19.51	**0.071** 1.80	**0.89** 22.61	1-324448-0*
350 MCM	325-375 MCM	**0.829** 21.05	**0.077** 1.96	**0.96** 24.38	324449
400 MCM	375-450 MCM	**0.886** 22.50	**0.083** 2.11	**1.02** 25.91	324450
500 MCM	450-550 MCM	**0.991** 25.17	**0.092** 2.34	**1.11** 28.19	324451
500 MCM	450-550 MCM	**0.991** 25.17	**0.092** 2.34	**1.11** 28.19	1-324451-0*
600 MCM[1]	550-650 MCM	**1.085** 27.56	**0.101** 2.57	**1.21** 30.73	324452
700 MCM[1]	650-750 MCM	**1.172** 29.77	**0.109** 2.77	**1.29** 32.77	324453
800 MCM[1]	750-850 MCM	**1.252** 31.80	**0.118** 3.00	**1.36** 34.54	324454
800 MCM[1]	750-850 MCM	**1.252** 31.80	**0.118** 3.00	**1.36** 34.54	1-324454-0*
900 MCM[1]	850-950 MCM	**1.328** 33.73	**0.125** 3.18	**1.44** 36.58	324455
900 MCM[1]	850-950 MCM	**1.328** 33.73	**0.125** 3.18	**1.44** 36.58	1-324455-0*
1000 MCM[1]	950-1125 MCM	**1.400** 35.56	**0.131** 3.33	**1.50** 38.10	324456
1000 MCM[1]	950-1125 MCM	**1.400** 35.56	**0.131** 3.33	**1.50** 38.10	1-324456-0*

*Cleaned but not plated.
[1] Two crimps necessary.

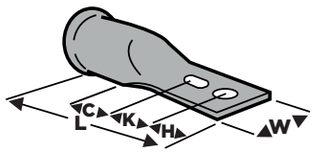
inches / (mm)



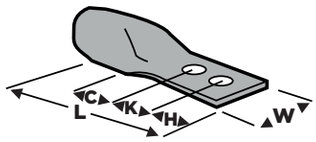
Dimensions displayed in **inches** / mm unless otherwise specified and are shown for reference purposes only.
Specifications subject to change.



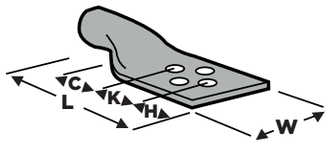
90° Bent



Slotted Stud Hole



Centerline 2-Hole



Heavy Duty 4-Hole

90° Bent Terminals

WIRE SIZE RANGE:
2 AWG to 350 MCM
(34 to 375mm²)

Wire Size	Wire Range	Stud Size	Barrel I.D. Min.	Tongue Thickness Max.	Dimensions				Part Number
					L Max.	W Max.	F Min.	H Max.	
2 AWG 34-35 mm²	52,600 83,700 CM	3/16 -	**0.362** 9.19	**0.09** 2.29	**0.76** 19.30	**0.71** 18.03	**0.70** 17.78	**0.30** 7.62	325223-1
		1/4 M6	**0.362** 9.19	**0.09** 2.29	**0.76** 19.30	**0.71** 18.03	**0.70** 17.78	**0.30** 7.62	55813-1
		3/8 -	**0.362** 9.19	**0.09** 2.29	**0.76** 19.30	**0.71** 18.03	**0.70** 17.78	**0.30** 7.62	55817-1
1/0 AWG	83,700-119,500 CM	5/16 M8	**0.468** 11.89	**0.10** 2.54	**0.85** 21.59	**0.87** 22.10	**0.95** 24.13	**0.42** 10.67	325320
4/0 AWG	190-231 MCM	3/8	**0.658** 16.71	**0.13** 3.30	**1.20** 30.46	**1.19** 30.23	**2.24** 56.90	**0.59** 14.99	54634-2*

*Two Stud Holes

inches / (mm)

Slotted Stud Hole

WIRE SIZE RANGE:
400 to 500 MCM
(203 to 253mm²)

Wire Size	Wire Range	Stud Size	Barrel I.D. Min.	Tongue Thickness Max.	Dimensions					Part Number
					L Max.	H Max.	C Min.	K	W Max.	
400 MCM	375-450 MCM	3/8 -	**0.876** 22.25	**0.18** 4.57	**5.82** 147.83	**0.44** 11.18	**3.29** 83.57	**1.30** 33.02	**1.61** 40.89	276963-1
500 MCM	450-550 MCM	3/8 -	**0.981** 24.92	**0.20** 5.08	**6.01** 6.35	**0.44** 11.18	**3.25** 82.55	**1.30** 33.02	**1.80** 45.72	276964-1

inches / (mm)

Heavy Duty 4-Hole

WIRE SIZE RANGE:
350 to 600 MCM
(177mm² to 304mm²)

Wire Size	Wire Range	Stud Size	Barrel I.D. Min.	Tongue Thickness Max.	Dimensions					Part Number
					L Max.	H Max.	C Min.	K	W Max.	
350 MCM	325-375 MCM	1/2 M12	**0.850** 21.59	**0.26** 6.60	**4.85** 123.19	**0.531** 13.49	**2.50** 63.50	**1.25** 31.75	**2.38** 60.45	276920-1
500 MCM	450-550 MCM	1/2 M12	**0.991** 25.17	**0.27** 6.85	**4.93** 125.22	**0.531** 13.49	**2.50** 63.50	**1.25** 31.75	**2.38** 60.45	277146-1
600[2] MCM	550-650 MCM	1/2 M12	**1.120** 28.45	**0.26** 6.60	**4.93** 125.22	**0.531** 13.49	**2.50** 63.50	**1.25** 31.75	**2.38** 60.45	276919-1

[2] Two crimps necessary.

inches / (mm)

Center 2-Hole Terminals

WIRE SIZE RANGE:
4/0 AWG to 600 MCM
(100mm² to 304mm²)

Wire Size	Wire Range	Stud Size	Barrel I.D. Min.	Tongue Thickness Max.	Dimensions					Part Number
					L Max.	H Max.	C Min.	K	W Max.	
4/0 AWG	190-231 MCM	5/16 M8	**0.648** 16.46	**0.13** 3.30	**4.24** 107.70	**0.45** 11.43	**1.93** 49.02	**.875** 22.23	**1.19** 30.23	277143-1
500 MCM	450-550 MCM	3/8 -	**0.991** 25.17	**0.26** 6.60	**4.01** 101.85	**0.45** 11.43	**2.00** 50.80	**1.00** 25.40	**1.26** 32.00	276887-1
600[2] MCM	550-650 MCM	3/8 -	**1.085** 27.56	**0.31** 7.87	**4.10** 104.14	**0.45** 11.43	**2.00** 50.80	**1.00** 25.40	**1.26** 32.00	276918-1

[2] Two crimps necessary.

inches / (mm)

Dimensions displayed in **inches** / mm unless otherwise specified and are shown for reference purposes only.
Specifications subject to change.

DYNA-CRIMP SYSTEM

8200 psi Operating Pressure

Hydraulic Head		69099	69082	68073-3	58445-1
Wire Size		Part Numbers			
(mm^2)	(AWG)	Die Set	Die Set	Die Set	Die Set
13-15	6	69133-1	-	-	-
21	4	69134-1	-	-	-
34-35	2	46765-3	-	-	-
50-60	1/0	46766-2	-	-	-
67-70	2/0	46767-2	-	-	-
80-95	3/0	46749-2	-	-	-
100-125	4/0	46750-2	-	-	-
127	250 MCM	46751-2	-	-	46751-2
152	300 MCM	46752-2	-	-	-
177	350 MCM	46753-2	69653	-	-
203	400 MCM	-	46754-2	-	-
253	500 MCM	-	46755-2	-	-
304	600 MCM*	-	46756-2	-	-
	600 MCM HD*	-	59870-1	-	-
355	700 MCM*	-	46757-2	-	-
405	800 MCM*	-	46758-2	-	-
456	900 MCM*	-	46759-2	-	-
507	1000 MCM*	-	46760-2	-	-
634	1250 MCM*	-	-	68114-1	-
761	1500 MCM*	-	-	68282-1	-

* Terminals and splices of wire size 600 MCM and above require two crimps for optimum mechanical and electrical performance.

HYDRAULIC CRIMP TOOLING 10000 PSI OPERATING PRESSURE

		Hand Tools (U-Die)		Hydraulic Heads (U-Die)		Hydraulic Heads (Shank Die)		
		1490748-1	1490749-1	1490745-1 1490747-1	1490746-1	1752868-1	1752788-1	1752786-1
Wire Size		Die Set Part Numbers						
(mm^2)	(AWG)							
13-15	6	1583092-1				69133-1	-	-
21	4	1583093-1				69134-2	-	-
34-35	2	1583094-1				46765-3	-	-
50-60	1/0	1583095-1				46766-2	-	-
67-70	2/0	1583096-1				46767-2	-	-
80-95	3/0	1583097-1				46749-2	-	-
100-125	4/0	-	1583098-1	-	1583098-1	46750-2	-	-
127	250 MCM	-	-	-	-	46751-2	46326-2	-
152	300 MCM	-	-	-	-	46752-2	-	-
177	350 MCM	-	-	-	-	46753-2	-	69653
203	400 MCM	-	-	-	-	-	-	46754-2
253	500 MCM	-	-	-	-	-	-	46755-2
304	600 MCM*	-	-	-	-	-	-	46756-2
	600 MCM HD*	-	-	-	-	-	-	59870-1
355	700 MCM*	-	-	-	-	-	-	46757-2
405	800 MCM*	-	-	-	-	-	-	46758-2
456	900 MCM*	-	-	-	-	-	-	46759-2
507	1000 MCM*	-	-	-	-	-	-	46760-2

* Terminals and splices of wire size 600 MCM and above require two crimps for optimum mechanical and electrical performance.

AMPOWER Terminals and Splices
Part Number Index

Note: This numerical index lists all cataloged parts by base no. only. Complete part nos. (with prefixes and/or suffixes) are shown on the page(s) indicated.

NOTES

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1-1773934-9 09/19 **Original**

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