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 mm²]— for terminals and up to 1500 MCM [760 mm²] 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. E12388, 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.

Technical Documents:

Instruction Sheets

408-1565
408-1602
408-1606
408-2464
408-2953

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

Technical Support
USA: 1-800-522-6752
Canada: 1-905-475-6222
Mexico: 01-800-733-8926

www.tycoelectronics.com

Table of 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

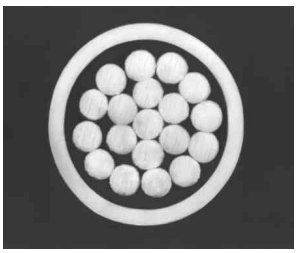
Wire Size	No. of Terminals Per Package
6 and 4 AWG	100
2 AWG and 1/0 thru 4/0 AWG	50
250-1500 MCM	25

Stud Size Dimensions[1]

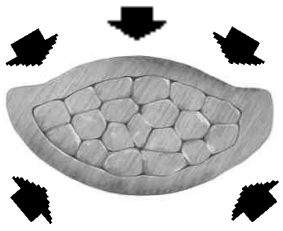
Stud Size	Stud Dia.	Stud Hole Dia.
10	**.190** 4.83	**.197** 5.00
1/4 M6	**.250** 6.35	**.265** 6.73
5/6 M8	**.312** 7.92	**.328** 8.33
3/8	**.375** 9.53	**.390** 9.91
7/16	**.437** 11.1	**.453** 11.51
1/2 M12	**.500** 12.7	**.515** 13.08
5/8 M16	**.625** 15.88	**.656** 16.66
3/4	**.750** 19.05	**.781** 19.84
7/8 M22	**.875** 22.23	**.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

[1]Use as an aid for the selection of proper terminal size.

Before Crimping



After Crimping



Performance Requirements

Per MIL-T-7928

Chart 1
Electrical

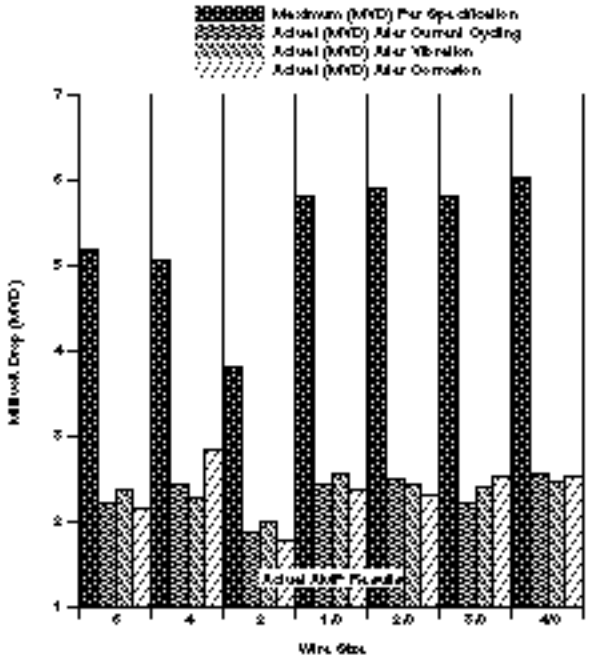
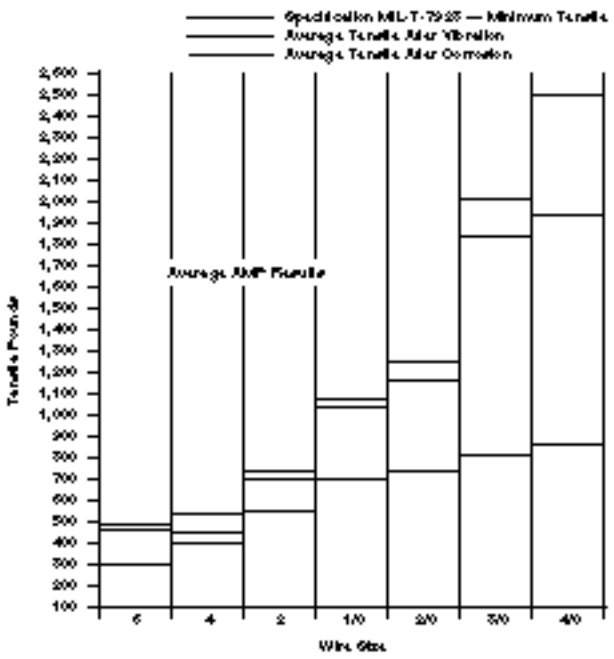


Chart 2
Mechanical



Per U.L. 486

Chart 3
Temperature Rise

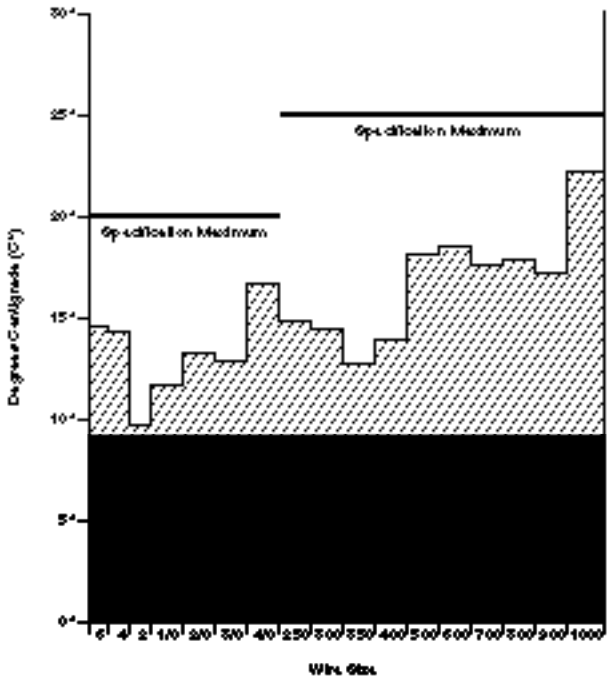
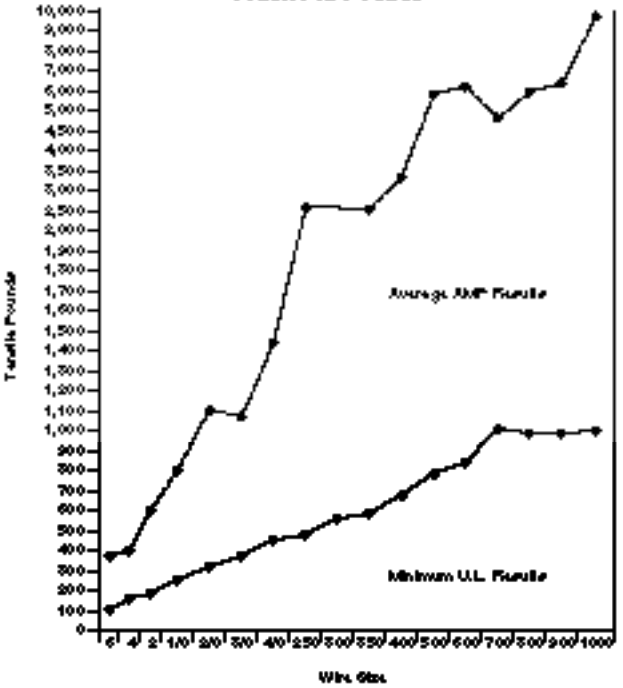


Chart 4
Tensile in Pounds



Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

Technical Support
USA: 1-800-522-6752
Canada: 1-905-475-6222
Mexico: 01-800-733-8926

www.tycoelectronics.com

Features

1. Versatility
Stranded wires, crimped with the DYNA-CRIMP tool, become almost a homogeneous mass with the AMPOWER terminal or splice barrel.

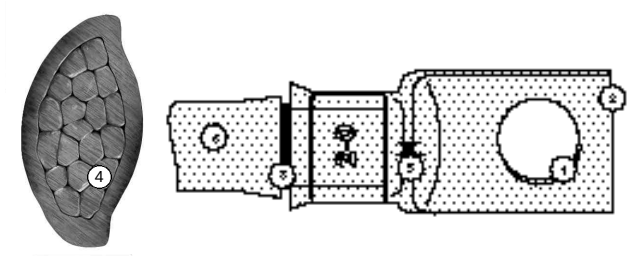
Long barrel terminals and splices are offered for applications where space limitations and accessibility make it difficult to locate the proper crimp area.

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 5-9

Long Barrel Terminal
Without Stud Hole
See pages 5-9

Standard Terminals
With One Stud Hole
See pages 5-9

Parallel Splice
See page 11

Standard Terminals
Without Stud Hole
See pages 5-9

Butt Splice
See page 10

Long Barrel Terminal
With Stud Hole
See pages 5-9

Long Barrel
Butt Splice
See page 8

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 12 for Special Terminals.

Terminals

Base Material:

Annealed Copper (ASTM B-188)[2]

Electrodeposited Tin Plate (MIL-T-10727)

A

B

C[4]

D

E

F[4]

G

H

I[4]

Wire Size	Wire Range	Barrel I.D. Min.	Tongue Thickness Max.	Style	Stud Size	Dimensions L Max.	H Max.	C Min.	K	F Min.	W Max.	Part Number
6 AWG[2] 13-15 mm²	20,800-33,100 CM	**.219** 5.56	**.08** 2.03	A	—	**1.41** 35.81	—	—	—	**.74** 18.80	**.69** 17.53	328140
				B	10 —	**1.41** 35.81	**.32** 8.13	**.42** 10.67	—	—	**.69** 17.53	328141
				B	1/4 M6	**1.41** 35.81	**.32** 8.13	**.42** 10.67	—	—	**.69** 17.53	328142
				B	5/16 M8	**1.41** 35.81	**.32** 8.13	**.42** 10.67	—	—	**.69** 17.53	328143
				B	3/8 —	**1.41** 35.81	**.32** 8.13	**.42** 10.67	—	—	**.69** 17.53	328144
				B	1/2 M12	**1.43** 36.32	**.38** 9.65	**.43** 10.92	—	—	**.77** 19.56	328158
4 AWG[2] 21 mm²	33,100-52,600 CM	**.275** 6.99	**.08** 2.03	A	—	**1.41** 35.81	—	—	—	**.74** 18.80	**.69** 17.53	328160
				B	1/4 M6	**1.41** 35.81	**.32** 8.13	**.42** 10.67	—	—	**.69** 17.53	328162
				B	5/16 M8	**1.41** 35.81	**.32** 8.13	**.42** 10.67	—	—	**.69** 17.53	328163
				B	3/8 —	**1.41** 35.81	**.32** 8.13	**.42** 10.67	—	—	**.69** 17.53	328164
				B	1/2 M12	**1.46** 37.08	**.40** 10.16	**.43** 10.92	—	—	**.77** 19.56	328178
2 AWG 34-35 mm²	52,600-83,700 CM	**.362** 9.19	**.09** 2.29	A	—	**1.62** 41.15	—	—	—	**.82** 20.83	**.71** 18.03	325200
				B	1/4 M6	**1.62** 41.15	**.34** 8.64	**.50** 12.70	—	—	**.71** 18.03	325201
				B	5/16 M8	**1.62** 41.15	**.34** 8.64	**.50** 12.70	—	—	**.71** 18.03	325202
				B	3/8 —	**1.62** 41.15	**.34** 8.64	**.50** 12.70	—	—	**.71** 18.03	325203
				A	—	**2.62** 66.55	—	—	—	**1.83** 46.48	**.71** 18.03	325207
				B	1/2 M12	**1.70** 43.18	**.41** 10.41	**.50** 12.70	—	—	**.78** 19.81	325250
				C	3/8 —	**2.63** 66.80	**.34** 8.64	**.50** 12.70	**1.00** 25.40	—	**.71** 18.03	326799
1/0 AWG 50-60 mm²	83,700-119,500 CM	**.458** 11.63	**.10** 2.54	A	—	**1.97** 50.04	—	—	—	**1.03** 26.16	**.87** 22.10	325300
				A	—	**3.05** 77.47	—	—	—	**2.03** 51.56	**.87** 22.10	325308
				G	—	**4.24** 107.70	—	—	—	**2.83** 71.88	**.87** 22.10	325318
				B	1/4 M6	**1.97** 50.04	**.42** 10.67	**.62** 15.75	—	—	**.87** 22.10	325301
				B	5/16 M8	**1.97** 50.04	**.42** 10.67	**.62** 15.75	—	—	**.87** 22.10	325302
				B	3/8 —	**1.97** 50.04	**.42** 10.67	**.62** 15.75	—	—	**.87** 22.10	325303
				B	7/16 —	**1.97** 50.04	**.42** 10.67	**.62** 15.75	—	—	**.87** 22.10	325304
				C	5/16 M8	**2.94** 74.68	**.42** 10.67	**.62** 15.75	—	**1.00** 25.40	**.87** 22.10	328169
				B	1/2 M12	**1.97** 50.04	**.42** 10.67	**.62** 15.75	—	—	**.87** 22.10	325305
				C	3/8 —	**2.98** 75.69	**.42** 10.67	**.62** 15.75	**1.00** 25.40	—	**.87** 22.10	326800
				I	1/2 M12	**4.27** 108.46	**.42** 10.67	**.62** 15.75	**1.75** 44.45	—	**.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.

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

Technical Support
USA: 1-800-522-6752
Canada: 1-905-475-6222
Mexico: 01-800-733-8926

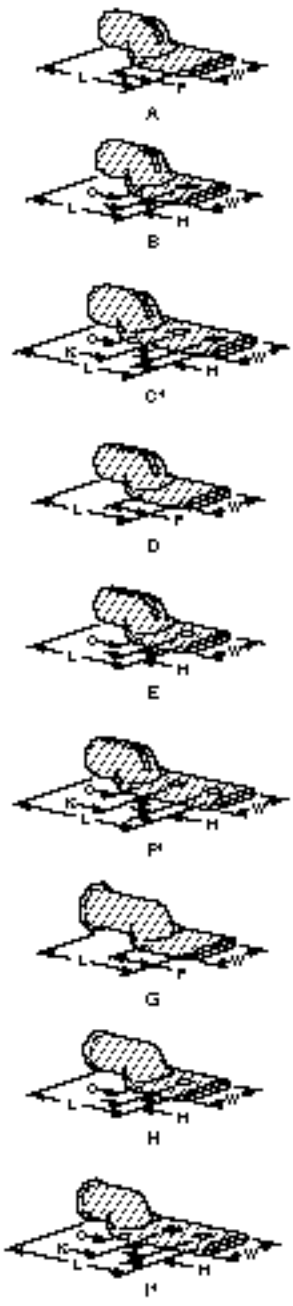
www.tycoelectronics.com

Terminals (Continued)

Base Material:

Annealed Copper
(ASTM B-188)

Electrodeposited Tin Plate
(MIL-T-10727)



Wire Size	Wire Range	Barrel I.D. Min.	Tongue Thickness Max.	Style	Stud Size	Dimensions L Max.	H Max.	C Min.	K	F Min.	W Max.	Part Number
2/0 AWG 67-70 mm²	119,500-150,500 CM	**.513** 13.03	**.11** 2.79	B	1/4 M6	**2.11** 53.59	**.47** 11.94	**.62** 15.75	—	—	**.97** 24.64	325401
				B	5/16 M8	**2.11** 53.59	**.47** 11.94	**.62** 15.75	—	—	**.97** 24.64	325402
				C	5/16 M8	**3.02** 76.71	**.42** 10.67	**.88** 22.35	**.687** 17.45	—	**.97** 24.64	50990
				C	5/16 M8	**2.50** 63.50	**.32** 8.13	**.50** 12.70	**.687** 17.45	—	**.97** 24.64	55992-1
				B	3/8 —	**2.11** 53.59	**.47** 11.94	**.62** 15.75	—	—	**.97** 24.64	325403
				B	1/2 M12	**2.11** 53.59	**.47** 11.94	**.62** 15.75	—	—	**.97** 24.64	325405
				A	—	**3.86** 98.04	—	—	—	**2.83** 71.88	**.97** 24.64	325406
				C	3/8 —	**3.12** 79.25	**.47** 11.94	**.62** 15.75	**1.00** 25.40	—	**.97** 24.64	326801
				H	3/8 —	**2.72** 69.09	**.47** 11.94	**.62** 15.75	—	—	**.97** 24.64	325410
				G	—	**4.44** 112.78	—	—	—	**2.88** 73.15	**.97** 24.64	325411-1
				I	1/2 M12	**4.47** 113.54	**.47** 11.94	**.62** 15.75	**1.75** 44.45	—	**.97** 24.64	53681-2
3/0 AWG 80-95 mm²	150,500-190,000 CM	**.576** 14.63	**.12** 3.05	B	5/16 M8	**2.26** 57.40	**.52** 13.21	**.62** 15.75	—	—	**1.08** 27.43	325502
				B	3/8 —	**2.26** 57.40	**.52** 13.21	**.62** 15.75	—	—	**1.08** 27.43	325503
				B	1/2 M12	**2.26** 57.40	**.52** 13.21	**.62** 15.75	—	—	**1.08** 27.43	325505
				A	—	**4.02** 102.11	—	—	—	**2.89** 73.41	**1.08** 27.43	325508
				G	—	**4.66** 118.36	—	—	—	**2.94** 74.68	**1.08** 27.43	325514
				C	5/16 M8	**3.27** 83.05	**.52** 13.21	**.62** 15.75	**1.00** 25.40	—	**1.08** 27.43	325516
				I	1/2 M12	**4.69** 119.13	**.52** 13.21	**.62** 15.75	**1.75** 44.45	—	**1.08** 27.43	53682-2
				C	3/8 —	**3.27** 83.05	**.52** 13.21	**.62** 15.75	**1.00** 25.40	—	**1.08** 27.43	326802
4/0 AWG 100-125 mm²	190,000-231,000 CM	**.648** 16.46	**.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	**.59** 14.99	**.62** 15.75	—	—	**1.19** 30.23	325602
				B	3/8 —	**2.45** 62.23	**.59** 14.99	**.62** 15.75	—	—	**1.19** 30.23	325603
				B	3/8 —	**2.45** 62.23	**.59** 14.99	**.62** 15.75	—	—	**1.19** 30.23	325603-2**
				B	1/2 M12	**2.45** 62.23	**.59** 14.99	**.62** 15.75	—	—	**1.19** 30.23	325605
				C	3/8 —	**3.46** 87.88	**.59** 14.99	**.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	**.59** 14.99	**.62** 15.75	**1.75** 44.45	—	**1.19** 30.23	327284
				I	1/2 M12	**4.94** 125.48	**.59** 14.99	**.62** 15.75	**1.75** 44.45	—	**1.19** 30.23	53683-2

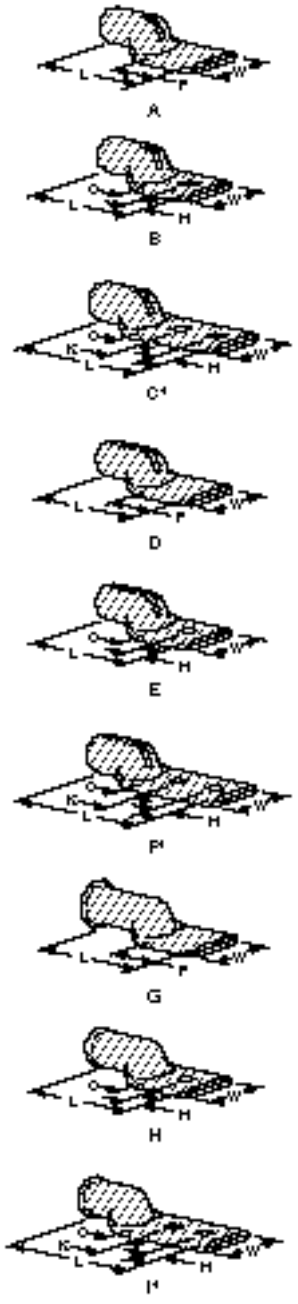
** No sight hole.
¹ Per NEMA specification.

Terminals (Continued)

Base Material:

Annealed Copper
(ASTM B-188)

Electrodeposited Tin Plate
(MIL-T-10727)



Wire Size	Wire Range	Barrel I.D. Min.	Tongue Thickness Max.	Style	Stud Size	Dimensions L Max.	H Max.	C Min.	K	F Min.	W Max.	Part Number
250 MCM 127 mm²	231-275 MCM	**.690** 17.53	**.15** 3.81	B	5/16 M8	**2.58** 65.53	**.63** 16.00	**.62** 15.75	—	—	**1.28** 32.51	325702
				B	3/8 —	**2.58** 65.53	**.63** 16.00	**.62** 15.75	—	—	**1.28** 32.51	325703
				B	1/2 M12	**2.58** 65.53	**.63** 16.00	**.62** 15.75	—	—	**1.28** 32.51	325705
				B	5/8 —	**2.70** 68.57	**.63** 16.00	**.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*
				A	—	**3.59** 91.19	—	—	—	**2.29** 58.17	**1.28** 32.51	325716
				G	—	**5.63** 143.	—	—	—	**3.54** 89.92	**1.28** 32.51	325719
				C	3/8 —	**3.59** 91.19	**.63** 16.00	**.62** 15.75	**1.00** 25.40	—	**1.28** 32.51	326804
				C	1/2 M12	**4.34** 110.24	**.63** 16.00	**.62** 15.75	**1.75** 44.45	—	**1.28** 32.51	327285
300 MCM 152 mm²	275-325 MCM	**.758** 19.25	**.16** 4.06	C	5/16 M8	**3.58** 90.93	**.63** 16.00	**.62** 15.75	**.875** 22.23	—	**1.38** 35.05	276917-1
				B	5/16 M8	**2.69** 68.33	**.63** 16.00	**.62** 15.75	—	—	**1.40** 35.56	325802
				B	3/8 —	**2.69** 68.33	**.63** 16.00	**.62** 15.75	—	—	**1.40** 35.56	325803
				B	3/8 —	**2.69** 68.33	**.63** 16.00	**.62** 15.75	—	—	**1.40** 35.56	325803-1**
				B	1/2 M12	**2.69** 68.33	**.63** 16.00	**.62** 15.75	—	—	**1.40** 35.56	325805
				B	1/2 M12	**2.69** 68.33	**.63** 16.00	**.62** 15.75	—	—	**1.40** 35.56	325805-1**
				A	—	**2.82** 71.63	—	—	—	**1.37** 34.80	**1.40** 35.56	2-325806-2*
				B	5/8 —	**2.82** 71.63	**.63** 16.00	**.75** 19.05	—	—	**1.40** 35.56	325807
				C	3/8 —	**3.70** 93.98	**.63** 16.00	**.62** 15.75	**1.00** 25.40	—	**1.40** 35.56	326805
				C	3/8 —	**3.70** 93.98	**.63** 16.00	**.62** 15.75	**1.00** 25.40	—	**1.40** 35.56	326805-1**
				C	1/2 M12	**4.43** 112.52	**.63** 16.00	**.62** 15.75	**1.75** 44.45	—	**1.40** 35.56	327286
				B	3/8 —	**2.42** 61.47	**.41** 10.41	**.62** 15.75	—	—	**1.40** 35.56	325814
				C	3/8 —	**4.51** 114.55	**.63** 16.00	**.62** 15.75	**1.00** 25.4	—	**1.40** 35.56	55993-1
				A	—	**5.15** 130.81	—	—	—	**3.70** 93.98	**1.40** 35.56	325816
				G	—	**6.01** 152.65	—	—	—	**3.70** 93.98	**1.40** 35.56	325821
				I	1/2 M12	**5.25** 133.35	**.61** 15.49	**.62** 15.75	**1.75** 44.45	—	**1.40** 35.56	53684-2

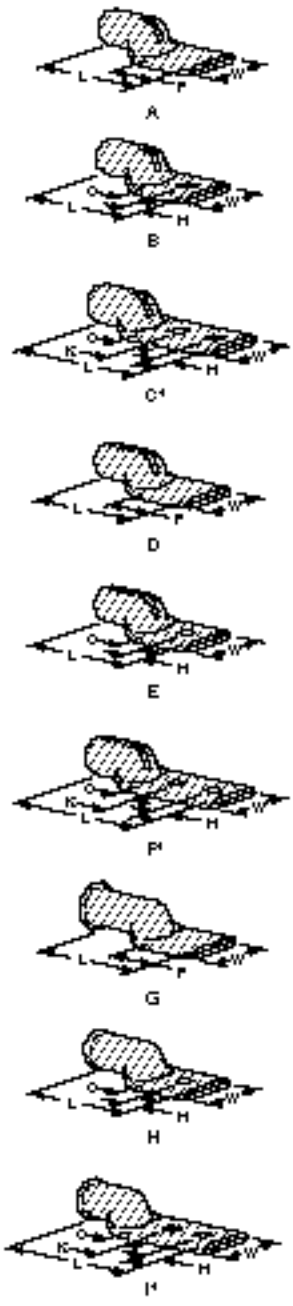
* Cleaned but not plated.
** No sight hole.
¹ Per NEMA Specifications.

Terminals (Continued)

Base Material:

Annealed Copper
(ASTM B-188)

Electrodeposited Tin Plate
(MIL-T-10727)



Wire Size	Wire Range	Barrel I.D. Min.	Tongue Thickness Max.	Style	Stud Size	Dimensions L Max.	H Max.	C Min.	K	F Min.	W Max.	Part Number
350 MCM 177mm²	325-375 MCM	**.819** 20.80	**.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	**.54** 13.72	**.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	**.63** 16.00	**.62** 15.75	—	—	**1.51** 38.35	325903
				B	1/2 M12	**2.79** 70.87	**.63** 16.00	**.62** 15.75	—	—	**1.51** 38.35	325905
				B	1/2 M12	**2.79** 70.87	**.63** 16.00	**.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	**.63** 16.00	**.62** 15.75	**1.00** 25.40	—	**1.51** 38.35	326806
				C	3/8 —	**3.79** 96.27	**.63** 16.00	**.62** 15.75	**1.00** 25.40	—	**1.51** 38.35	326806-1**
				C	1/2 M12	**4.55** 115.57	**.63** 16.00	**.62** 15.75	**1.75** 44.45	—	**1.51** 38.35	327287
				I	1/2 M12	**5.47** 138.94	**.63** 16.00	**.62** 15.75	**1.75** 44.45	—	**1.51** 38.35	53641-2
400 MCM 203mm²	375-450 MCM	**.876** 22.25	**.18** 4.57	A	3/8 —	**2.89** 73.41	**.63** 16.00	**.62** 15.75	—	—	**1.61** 40.89	326003
				B	1/2 M12	**2.89** 73.41	**.63** 16.00	**.62** 15.75	—	—	**1.61** 40.89	326005
				B	1/2 M12	**2.89** 73.41	**.63** 16.00	**.62** 15.75	—	—	**1.61** 40.89	326005-2**
				B	5/8 M16	**3.01** 76.45	**.63** 16.00	**.75** 19.05	—	—	**1.61** 40.89	326007
				A	—	**3.59** 91.19	—	—	—	**1.99** 50.55	**1.61** 40.89	1-326012-2*
				B	—	**4.88** 123.95	—	—	—	**3.24** 82.30	**1.61** 40.89	326016
				C	3/8 —	**3.90** 99.06	**.63** 16.00	**.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	**.63** 16.00	**.75** 19.05	—	—	**1.61** 40.89	326020
500 MCM 253mm²	450-550 MCM	**.981** 24.92	**.20** 5.08	B	3/8 —	**3.29** 83.57	**.76** 19.30	**.75** 19.05	—	—	**1.80** 45.72	326103
				B	1/2 M12	**3.29** 83.57	**.76** 19.30	**.75** 19.05	—	—	**1.80** 45.72	326105
				B	5/8 M16	**3.29** 83.57	**.76** 19.30	**.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	**.61** 15.49	**.62** 15.75	**1.75** 44.45	—	**1.80** 45.72	327289
				C	3/8 —	**4.05** 102.87	**.63** 16.00	**.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	**.63** 16.00	**.62** 15.75	**1.75** 44.45	—	**1.80** 45.72	53642-2

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

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

Technical Support
USA: 1-800-522-6752
Canada: 1-905-475-6222
Mexico: 01-800-733-8926

www.tycoelectronics.com

Terminals (Continued) and Splices

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 L Max.	H Max.	C Min.	K	F Min.	W Max.	Part Number
600[2] MCM 304mm[2]	550-650 MCM	**1.075** 27.31	**.22** 5.59	F	1/2 M12	**4.46** 113.28	**.54** 13.72	**.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	**.63** 16.00	**.62** 15.75	**1.00** 25.40	—	**1.95** 49.53	326809-1**
				F	1/2 M12	**4.97** 126.24	**.63** 16.00	**.62** 15.75	**1.75** 44.45	—	**1.95** 49.53	327290
				F	1/2 M12	**4.97** 126.24	**.63** 16.00	**.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	**.24** 6.10	E	1/2 M12	**3.59** 91.19	**.76** 19.30	**.75** 19.05	—	—	**2.12** 53.85	326305
				I	1/2 M12	**6.35** 161.29	**.63** 16.00	**.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	**.25** 6.35	E	1/2 —	**3.72** 94.49	**.76** 19.30	**.75** 19.05	—	—	**2.26** 57.40	326405
				E	5/8 M12	**3.72** 94.49	**.76** 19.30	**.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	**.63** 16.00	**.62** 15.75	**1.75** 44.45	—	**2.26** 57.40	327292
1000[2] MCM 507mm[2]	950-1125 MCM	**1.390** 35.31	**.28** 7.11	F	1/2 M12	**5.63** 143.00	**.63** 16.00	**.81** 20.57	**1.75** 44.45	—	**2.51** 63.75	327294

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

Splices

Long Barrel Butt Splice

Wire Size Range:

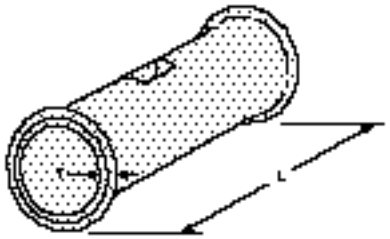
1/0 AWG to 500 MCM
[50 to 253 mm[2]]

Base Material:

Annealed Copper
(ASTM B-188)

Electrodeposited Tin Plate
(MIL-T-10727)

Wire Size	Wire Range	Barrel I.D. Min.	Dimensions T	Dimensions L Max.	Part Number
1/0 AWG	83,700-119,500 CM	**.468** 11.89	**.042** 1.07	**2.42** 61.47	53081
4/0 AWG	190-231 MCM	**.658** 16.71	**.059** 1.50	**3.24** 82.30	53084
250 MCM	231-275 MCM	**.700** 17.78	**.065** 1.65	**3.51** 89.15	53085
350 MCM	325-378 MCM	**.829** 21.06	**.077** 1.96	**4.06** 103.12	53087
400 MCM	375-450 MCM	**.886** 22.50	**.083** 2.11	**4.34** 110.24	53088
500 MCM	450-550 MCM	**.991** 25.17	**.092** 2.34	**4.75** 120.65	53089



Splices (Continued)

Butt Splice

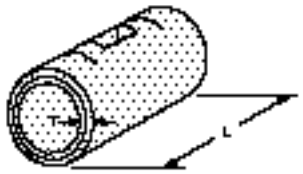
Wire Size Range:

2 AWG to 1500 MCM
[34 to 760 mm²]

Base Material:

Annealed Copper
(ASTM B-188)

Electrodeposited Tin Plate
(MIL-T-10727)



Wire Size	Wire Range	Barrel I.D. Min.	Dimensions T	Dimensions L Max.	Part Number
2 AWG	52,600-83,700 CM	**.372** 9.45	**.039** .99	**1.05** 26.67	324457
1/0 AWG	83,700-119,500 CM	**.468** 11.89	**.042** 1.07	**1.24** 31.50	324458
2/0 AWG	119,500-150,500 CM	**.523** 13.28	**.047** 1.19	**1.38** 35.05	324459
3/0 AWG	150,500-190,000 CM	**.586** 14.88	**.053** 1.35	**1.52** 38.61	324460
3/0 AWG	150,500-190,000 CM	**.586** 14.88	**.053** 1.35	**1.77** 44.96	1-324460-3
4/0 AWG	190-231 MCM	**.658** 16.71	**.059** 1.50	**1.65** 41.91	324461
4/0 AWG	190-231 MCM	**.658** 16.71	**.059** 1.50	**1.89** 48.01	2-324461-3
250 MCM	231-275 MCM	**.700** 17.78	**.065** 1.65	**1.79** 45.47	324462
300 MCM	275-325 MCM	**.768** 19.51	**.071** 1.80	**1.93** 49.02	324463
300 MCM	275-325 MCM	**.768** 19.51	**.071** 1.80	**2.15** 54.61	2-324463-4*
350 MCM	325-375 MCM	**.829** 21.06	**.077** 1.96	**2.06** 52.32	324464
400 MCM	375-450 MCM	**.886** 22.50	**.083** 2.11	**2.20** 55.88	324465
500 MCM	450-550 MCM	**.991** 25.17	**.092** 2.34	**2.41** 61.21	324466
500 MCM	450-550 MCM	**.991** 25.17	**.092** 2.34	**2.64** 67.06	2-324466-2
600 MCM[1]	550-650 MCM	**1.085** 27.56	**.101** 2.57	**2.61** 66.29	324467
600 MCM[1]	550-650 MCM	**1.085** 27.56	**.101** 2.57	**2.84** 72.14	2-324467-3
700 MCM[1]	650-750 MCM	**1.172** 29.77	**.109** 2.77	**2.79** 70.87	324468
800 MCM[1]	750-850 MCM	**1.252** 31.80	**.118** 3.00	**2.96** 75.18	324469
800 MCM[1]	750-850 MCM	**1.252** 31.80	**.118** 3.00	**3.31** 84.07	2-324469-2
900 MCM[1]	850-950 MCM	**1.328** 33.73	**.125** 3.18	**3.13** 79.50	324470
1000 MCM[1]	950-1125 MCM	**1.400** 35.56	**.131** 3.33	**3.27** 83.06	324471
1000 MCM[1]	950-1125 MCM	**1.400** 35.56	**.131** 3.33	**3.62** 91.95	2-324471-1
1250 MCM[1]	1125-1300 MCM	**1.812** 46.02	**.140** 3.56	**4.06** 103.12	53182-1
1500 MCM[1]	1300-1600 MCM	**1.718** 43.64	**.158** 4.01	**5.07** 128.78	53646-3

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

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

Technical Support
USA: 1-800-522-6752
Canada: 1-905-475-6222
Mexico: 01-800-733-8926

www.tycoelectronics.com

Splices (Continued)

Parallel Splice

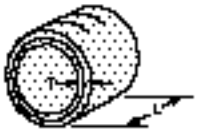
Wire Size Range:

2 AWG to 1000 MCM
[34 to 507 mm²]

Base Material:

Annealed Copper
(ASTM B-188)

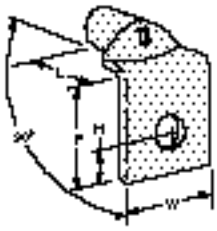
Electrodeposited Tin Plate
(MIL-T-10727)



Wire Size	Wire Range	Barrel I.D. Min.	Dimensions T	Dimensions L Max.	Part Number
2 AWG	52,600-83,700 CM	**.372** 9.45	**.039** .99	**.49** 12.45	324442
2 AWG	52,600-83,700 CM	**.372** 9.45	**.039** .99	**.49** 12.45	1-324442-0*
1/0 AWG	83,700-119,500 CM	**.468** 11.89	**.042** 1.07	**.58** 14.73	324443
2/0 AWG	119,500-190,000 CM	**.523** 13.28	**.047** 1.19	**.64** 16.26	324444
2/0 AWG	119,500-190,000 CM	**.523** 13.28	**.047** 1.19	**.64** 16.26	1-324444-0*
3/0 AWG	150,500-190,000 CM	**.586** 14.88	**.053** 1.35	**.71** 18.03	324445
4/0 AWG	190-231 MCM	**.658** 16.71	**.059** 1.50	**.77** 19.56	324446
4/0 AWG	190-231 MCM	**.658** 16.71	**.059** 1.50	**.77** 19.56	1-324446-0*
250 MCM	231-275 MCM	**.700** 17.78	**.065** 1.65	**.83** 21.08	324447
300 MCM	275-325 MCM	**.768** 19.51	**.071** 1.80	**.89** 22.61	324448
300 MCM	275-325 MCM	**.768** 19.51	**.071** 1.80	**.89** 22.61	1-324448-0*
350 MCM	325-375 MCM	**.829** 21.05	**.077** 1.96	**.96** 24.38	324449
400 MCM	375-450 MCM	**.886** 22.50	**.083** 2.11	**1.02** 25.91	324450
500 MCM	450-550 MCM	**.991** 25.17	**.092** 2.34	**1.11** 28.19	324451
500 MCM	450-550 MCM	**.991** 25.17	**.092** 2.34	**1.11** 28.19	1-324451-0*
600 MCM[1]	550-650 MCM	**1.085** 27.56	**.101** 2.57	**1.21** 30.73	324452
700 MCM[1]	650-750 MCM	**1.172** 29.77	**.109** 2.77	**1.29** 32.77	324453
800 MCM[1]	750-850 MCM	**1.252** 31.80	**.118** 3.00	**1.36** 34.54	324454
800 MCM[1]	750-850 MCM	**1.252** 31.80	**.118** 3.00	**1.36** 34.54	1-324454-0*
900 MCM[1]	850-950 MCM	**1.328** 33.73	**.125** 3.18	**1.44** 36.58	324455
900 MCM[1]	850-950 MCM	**1.328** 33.73	**.125** 3.18	**1.44** 36.58	1-324455-0*
1000 MCM[1]	950-1125 MCM	**1.400** 35.56	**.131** 3.33	**1.50** 38.10	324456
1000 MCM[1]	950-1125 MCM	**1.400** 35.56	**.131** 3.33	**1.50** 38.10	1-324456-0*

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

Special Terminals



90° Bent

Centerline 2-Hole

Slotted Stud Hole

Heavy Duty 4-Hole

90° Bent Terminals

Wire Size Range:
2 AWG to 350 MCM
[34 to 375 mm²]

Wire Size	Wire Range	Stud Size	Barrel I.D. Min.	Tongue Thickness Max.	Dimensions L Min.	W Max.	F Min.	H Max.	Part Number
2 AWG 34-35 mm²	52,600 83,700 CM	3/16 —	**.362** 9.19	**.09** 2.29	**.76** 19.30	**.71** 18.03	**.70** 17.78	**.30** 7.62	325223-1
		(2) 1/4 M6	**.362** 9.19	**.09** 2.29	**1.68** 42.67	**.69** 17.53	**.144** 3.66	**.28** 7.11	325221-1*
		1/4 M6	**.362** 9.19	**.09** 2.29	**.76** 19.30	**.71** 18.03	**.70** 17.78	**.30** 7.62	55813-1
		3/8 —	**.362** 9.19	**.09** 2.29	**.76** 19.30	**.71** 18.03	**.70** 17.78	**.30** 7.62	55817-1
1/0 AWG	83,700-119,500 CM	5/16 M8	**.468** 11.89	**.10** 2.54	**.85** 21.59	**.87** 22.10	**.95** 24.13	**.42** 10.67	325320
4/0 AWG	190-231 MCM	3/8	**.658** 16.71	**.13** 3.30	**1.20** 30.46	**1.19** 30.23	**2.24** 56.90	**.59** 14.99	54634-2*

* Two Stud Holes

Slotted Stud Hole

Wire Size Range:
400 to 500 MCM
[203 to 253 mm²]

Wire Size	Wire Range	Stud Size	Barrel I.D. Min.	Tongue Thickness Max.	Dimensions L Max.	H Max.	C Min.	K	W Max.	Part Number
400 MCM	375-450 MCM	3/8 —	**.876** 22.25	**.18** 4.57	**5.82** 147.83	**.44** 11.18	**3.29** 83.57	**1.30** 33.02	**1.61** 40.89	276963-1
500 MCM	450-550 MCM	3/8 —	**.981** 24.92	**.20** 5.08	**6.01** 6.35	**.44** 11.18	**3.25** 82.55	**1.30** 33.02	**1.80** 45.72	276964-1

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 L Max.	H Max.	C Min.	K	W Max.	Part Number
350 MCM	325-375 MCM	1/2 M12	**.850** 21.59	**.26** 6.60	**4.85** 123.19	**.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	**.991** 25.17	**.27** 6.85	**4.93** 125.22	**.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	**.26** 6.60	**4.93** 125.22	**.531** 13.49	**2.50** 63.50	**1.25** 31.75	**2.38** 60.45	276919-1

[2] Two crimps necessary.

Center 2-Hole Terminals

Wire Size Range:
4/0 AWG to 600 MCM
[100 mm² to 304 mm²]

Wire Size	Wire Range	Stud Size	Barrel I.D. Min.	Tongue Thickness Max.	Dimensions L Max.	H Max.	C Min.	K	W Max.	Part Number
4/0 AWG	190-231 MCM	5/16 M8	**.648** 16.46	**.13** 3.30	**4.24** 107.70	**.45** 11.43	**1.93** 49.02	**.875** 22.23	**1.19** 30.23	277143-1
444.4 MCM	444.4 MCM	3/8 —	**.991** 25.17	**.26** 6.60	**4.01** 101.85	**.45** 11.43	**2.00** 50.80	**1.00** 25.40	**1.26** 32.00	326151-1
500 MCM	450-550 MCM	3/8 —	**.991** 25.17	**.26** 6.60	**4.01** 101.85	**.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	**.31** 7.87	**4.10** 104.14	**.45** 11.43	**2.00** 50.80	**1.00** 25.40	**1.26** 32.00	276918-1

[2] Two crimps necessary.

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

Technical Support
USA: 1-800-522-6752
Canada: 1-905-475-6222
Mexico: 01-800-733-8926

Tooling

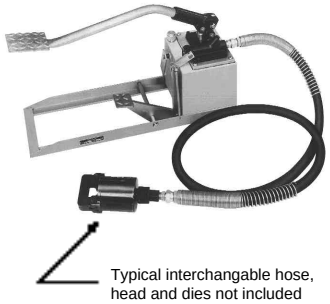
DYNA-CRIMP Tool Heads and Dies

Hydraulic Hand Tool
Part No. 59973-1
(See chart for die numbers)

Tooling (Continued)

AMP application tools are designed to produce a carefully controlled uniform pressure crimp, regardless of how they are powered. All tools shown are specially designed for AMP products and are precision machined from hard tool steel.

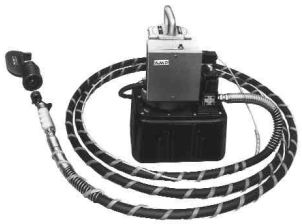
Foot Operated Power Unit



314979-1 (Hose, head and dies not included)

Refer to the table below for accessories.

DYNA-CRIMP Electric Hydraulic Power Unit



Power Unit Only
(Includes Pressure Release)

115 Volts (60 Hz) — 69120-1[3]
230 Volts (60 Hz) — 69120-2[3]

Power Units Accessories

For Use With Power Unit No.	Accessory Description	Accessory Part No.	Remarks
69120-1[3] 69120-2[3] 314979-1	7' Handle Control Assembly—Hose & Cord	59907-7	
	15' Handle Control Assembly—Hose & Cord	1-59907-5	
	21' Handle Control Assembly—Hose & Cord	2-59907-1	
	28' Handle Control Assembly—Hose & Cord	2-59907-8	
	15' Foot Switch Assembly	68284-1	Need Hose Assembly
	3' Hose Assembly	59909-3	68284-1 Foot Switch Assembly needed with these Hose Assemblies and 69120
	7' Hose Assembly	59909-7	
	15' Hose Assembly	1-59909-5	
	21' Hose Assembly	2-59909-1	
69120-1[3] 69120-2[3]	3-Way Multi-Directional Value	59220[1]	For use with Foot Switch only
	3-Way Multi-Directional Value (Elec.Ctl)	59220-2[1]	
	6-Way Multi-Directional Value	59221[1]	
	6-Way Multi-Directional Value (Elec.Ctl)	59221-2[1]	

[1] Contact AMP Incorporated for usage recommendations.
[2] Also see AMP Customer Manual CM 1980.
[3] Also see AMP Customer Manual CM 1950.
Note: All Hoses and Handle Control Assemblies have a 3⁄8" high male coupler (311470-1) on each end.
All Power Units and Heads have a 3⁄8" high female coupler (311471-1).

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.

Answers to your questions are just a phone call or mouse click away.

tyco Electronics

On-Line Catalog

http://catalog.tycoelectronics.com

If you prefer to find your information electronically, check out our web site featuring a catalog containing over 155,000 products. Customer drawings, specifications, test reports, CAD models and electrical SPICE models, PCB layouts and panel cutouts can be downloaded from the web site. Cross references to hundreds of competitors makes it even easier to find the right part for nearly any application.

Technical Support

USA: 1-800-522-6752 · Canada: 1-905-475-6222
Mexico: 01-800-733-8926
www.tycoelectronics.com/help

Our Technical Support Specialists provide information on ditributor locations, drawing/prints, application/product specifications, PCB layouts, technical information, plating, electrical characteristics, dimensions, value added capabities, and 3D modeling/simulation.

Tooling Assistance

USA: 1-800-522-6752 · Canada: 1-905-475-6222
Mexico: 01-800-733-8926
www.tycoelectronics.com/help

Tooling support specialists will assist you in selecting hand tools, machines and applicators, identify tooling parts, and provide information about maintenance, adjustment and repair.

Customer Service

USA: 1-800-522-6752 · Canada: 1-905-475-6222
Mexico: 01-800-733-8926
www.tycoelectronics.com/help

Receive price and delivery information immediately. You can also place new orders, change or expedite existing orders, and request product samples and literature through the Customer Service Department.

AMP FAX® Service

USA: 1-800-522-6752 · Canada: 1-800-245-4356
Mexico: 001-717-986-3500 (toll call to USA)

Documents available through AMP FAX include part-numbers/catalog pages, drawings, application/product specifications, PCB layouts, and distributor information. Order as many as 20 pages of information at a time, with more than 100,000 drawings, specs, and more available.

82025–1M–GIC–DSP–01-02
Printed in the U.S.A.