



TAPLINK® CONNECTORS

Wedge Tap Connectors | Wedge Pad Connectors

Wedge Stirrup Connectors | Hotline Tap

Founded in 1984, AFL is an international manufacturer providing end-to-end solutions to the energy, service provider, enterprise, hyperscale and industrial markets as well as several emerging markets.

AFL's products are in use in over 130 countries and include fiber optic cable and hardware, transmission and substation accessories, outside plant equipment, connectivity, test and inspection equipment, fusion splicers and training.

AFL also offers a wide variety of services supporting data center, enterprise, wireless and outside plant applications.

AFL is dedicated to bringing our customers a quality product as well as delivering superior value.



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =



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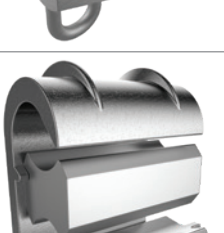
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TAPLINK® Wedge Connectors

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WTA Series #6 - 4/0 Series Wedge Tap Connectors

AFL Wedge Tap Connectors are used to make complete aluminum-to-aluminum and aluminum-to-copper electrical connections. The bolted wedge technology makes installations quicker, easier and safer when compared with traditional tap connectors by eliminating the need for specialized tooling for the same type of connection. Once the appropriate pressure is obtained by the wedge, the breakaway bolt will shear off giving a visual indication that a correct installation has been made.

The connector is rated for the full current of the conductors within its range. As the conductors expand and contract under thermal cycling, the C-shaped body operates within the elastic region of its mechanical properties, allowing the connection to maintain constant pressure, resulting in reliability of performance.

This connector is reusable and can easily be removed by backing out the bolt, which will drive out the wedge. AFL recommends replacing the bolt and applying more inhibitor grease when reusing.

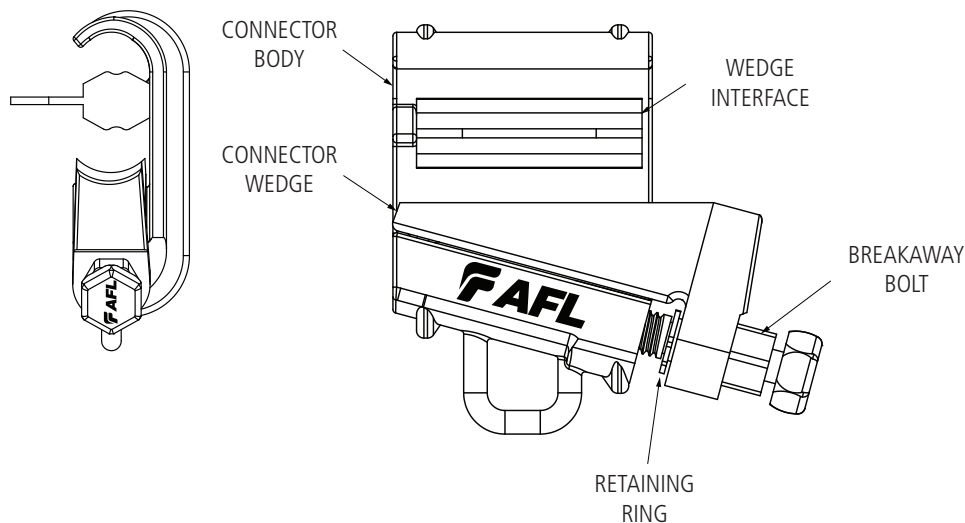
The wedge tap connectors are comprised of high strength aluminum castings, a breakaway bolt and a highly conductive aluminum interface, providing a secure, reliable solution with an installation that is both fast and simple.

Standard Packaging

QUANTITY	WEIGHT
50	25 lbs

Features

- Material
 - Connector Body—Aluminum Alloy
 - Connector Wedge—Aluminum Alloy
 - Breakaway Bolt—Aluminum
 - Retaining Ring—Steel
 - Connector Interface—6101-T6
- Breakaway Bolt Torque: 10-12 ft-lbs
 - Bolt Head size: 5/8"
- For use on ACSR, AAC and AAAC conductors
- For Aluminum-to-Copper connections, the copper wire should be located on the bottom in order to minimize contamination.



** Not rated for HT Conductors*

continued
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WTA Series #6 - 4/0 Series Wedge Tap Connectors (cont.)

Ordering Information

LINE NO.	AFL NO.	RUN		TAP		CPI NO.
		CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	
1	WTA-162/162	#6	0.162" - 0.232"	#6, #4 SOLID	0.162" - 0.204"	640101
2	WTA-232/162	#4, #2, #1 AAC	0.232" - 0.328"	#6, #4 SOLID	0.162" - 0.231"	240100
3	WTA-232/232			#4	0.232" - 0.291"	240101
4	WTA-232/292			#2, #1 AAC	0.292" - 0.328"	240102
5	WTA-354/198	#1 ACSR, 1/0, 2/0 AAC	0.354" - 0.414"	#6 ACSR, #4 AAC	0.198" - 0.231"	210103
6	WTA-354/232			#4 AAC, #2, #1 AAC	0.232" - 0.353"	210105
7	WTA-354/354			#1 ACSR, 1/0, 2/0 AAC	0.354" - 0.414"	210106
8	WTA-447/198	2/0 ACSR, 3/0	0.447" - 0.502"	#6 ACSR, #4 AAC	0.198" - 0.231"	230107
9	WTA-447/232			#4, #2 AAC	0.232" - 0.291"	230108
10	WTA-447/292			#2 AAC, #1	0.292" - 0.353"	230109
11	WTA-447/354			#1 ACSR, 1/0, 2/0 AAC	0.354" - 0.446"	230110
12	WTA-447/447			2/0 ACSR, 3/0	0.447" - 0.502"	230111
13	WTA-502/198	3/0 ACSR, 4/0, 250 AAC	0.502" - 0.574"	#6 ACSR, #4 AAC	0.198" - 0.249"	264111
14	WTA-502/250			#4 ACSR, #2, #1 AAC	0.250" - 0.353"	264112
15	WTA-502/354			#1 ACSR, 1/0, 2/0 AAC	0.354" - 0.446"	264113
16	WTA-502/447			2/0 ACSR, 3/0	0.447" - 0.521"	264114
17	WTA-502/522			4/0, 250 AAC	0.522" - 0.574"	264115

* For Replacement Breakaway Bolts, see page 17 of the TAPLINK® catalog for ordering information.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.



WTA Series 350 Series Wedge Tap Connectors

AFL Wedge Tap Connectors are used to make complete aluminum-to-aluminum and aluminum-to-copper electrical connections. The bolted wedge technology makes installations quicker, easier and safer when compared with traditional tap connectors by eliminating the need for specialized tooling for the same type of connection. Once the appropriate pressure is obtained by the wedge, the breakaway bolt will shear off giving a visual indication that a correct installation has been made.

The connector is rated for the full current of the conductors within its range. As the conductors expand and contract under thermal cycling, the C-shaped body operates within the elastic region of its mechanical properties, allowing the connection to maintain constant pressure, resulting in reliability of performance.

This connector is reusable and can easily be removed by backing out the bolt, which will drive out the wedge. AFL recommends replacing the bolt and applying more inhibitor grease when reusing.

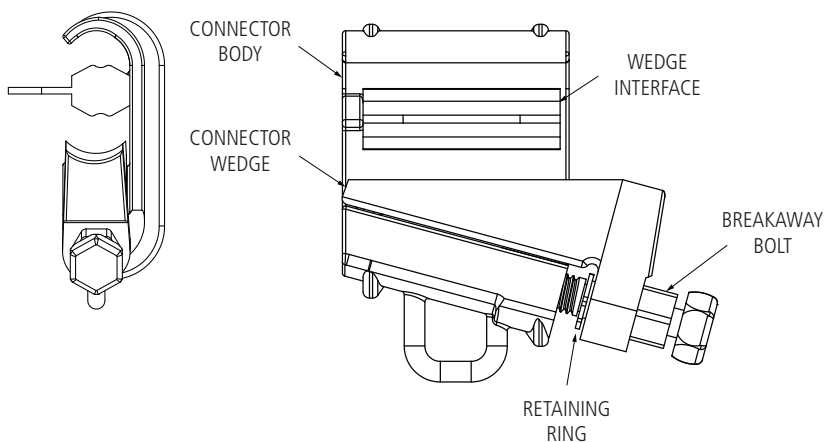
The wedge tap connectors are comprised of high strength aluminum castings, a breakaway bolt and a highly conductive aluminum interface, providing a secure, reliable solution with an installation that is both fast and simple.

Standard Packaging

QUANTITY	WEIGHT
50	25 lbs

Features

- Material
 - Connector Body—Aluminum Alloy
 - Connector Wedge—Aluminum Alloy
 - Breakaway Bolt—Aluminum
 - Retaining Ring—Steel
 - Connector Interface—6101-T6
- Breakaway Bolt Torque: 10-12 ft-lbs
 - Bolt Head size: 5/8"
- For use on ACSR, AAC and AAAC conductors
- For Aluminum-to-Copper connections, the copper wire should be located on the bottom in order to minimize contamination.



* Not rated for HT Conductors

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WTA Series
350 Series Wedge Tap Connectors (cont.)

Ordering Information

LINE NO.	AFL NO.	RUN		TAP		CPI NO.
		CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	
1	WTA-609/162	266.8 ACSR, 300 MCM, 336.4 AAC, 336.4 ACSR 18/1, 350 MCM	0.609" - 0.684"	#6, #4 AAC	0.162" - 0.231"	350117
2	WTA-609/232			#4	0.232" - 0.291"	350118
3	WTA-609/292			#2, #1 AAC	0.292" - 0.327"	350119
4	WTA-609/328			#1, 1/0 AAC	0.328" - 0.397"	350120
5	WTA-609/398			1/0 ACSR, 2/0	0.398" - 0.446"	350121
6	WTA-609/447			2/0 ACSR, 3/0	0.447" - 0.521"	350122
7	WTA-609/522			4/0, 250	0.522" - 0.591"	350123
8	WTA-609/592			266.8 - 19 AAC, 300 AAC, 266.8 ACSR	0.592" - 0.664"	350124
9	WTA-609/665			300 ACSR 26/7, 350, 336.4 18/1	0.665" - 0.684"	350125

* For Replacement Breakaway Bolts, see page 17 of the TAPLINK® catalog for ordering information.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.



WTB Series 336.4 - 636 Series Wedge Tap Connectors

AFL Wedge Tap Connectors are used to make complete aluminum-to-aluminum and aluminum-to-copper electrical connections. The bolted wedge technology makes installations quicker, easier and safer when compared with traditional tap connectors by eliminating the need for specialized tooling for the same type of connection. Once the appropriate pressure is obtained by the wedge, the breakaway bolt will shear off giving a visual indication that a correct installation has been made.

The connector is rated for the full current of the conductors within its range. As the conductors expand and contract under thermal cycling, the C-shaped body operates within the elastic region of its mechanical properties, allowing the connection to maintain constant pressure, resulting in reliability of performance.

This connector is reusable and can easily be removed by backing out the bolt, which will drive out the wedge. AFL recommends replacing the bolt and applying more inhibitor grease when reusing.

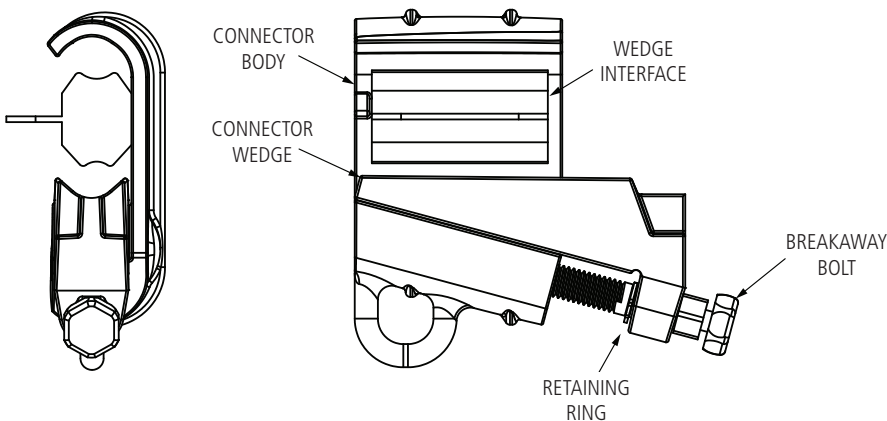
The wedge tap connectors are comprised of high strength aluminum castings, a breakaway bolt and a highly conductive aluminum interface, providing a secure, reliable solution with an installation that is both fast and simple.

Standard Packaging

QUANTITY	WEIGHT
25	32 lbs

Features

- Material
 - Connector Body—Aluminum Alloy
 - Connector Wedge—Aluminum Alloy
 - Breakaway Bolt—Aluminum
 - Retaining Ring—Steel
 - Connector Interface—6101-T6
- Breakaway Bolt Torque: 10-12 ft-lbs
 - Bolt Head size: 3/4"
- For use on ACSR, AAC and AAAC
- For Aluminum-to-Copper connections, the copper wire should be located on the bottom in order to minimize contamination.



* Not rated for HT Conductors

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WTB Series
336.4 - 636 Series Wedge Connectors (cont.)

Ordering Information

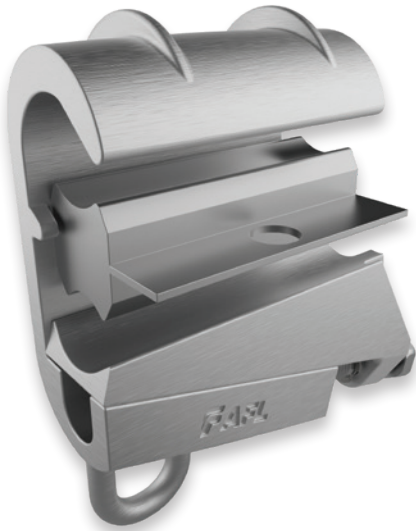
LINE NO.	AFL NO.	RUN		TAP		CPI NO.
		CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	
1	WTB-666/162	336.4, 350 MCM, 397 ACSR 18/1	0.666" - 0.743"	#6, #4	0.162" - 0.256"	336200
2	WTB-666/257			#4 ACSR, #2, 1/0 AAC	0.257" - 0.367"	336104
3	WTB-666/368			1/0, 2/0, 3/0	0.368" - 0.521"	336012
4	WTB-666/522			4/0 ACSR, 266.8 AAC	0.522" - 0.641"	336866
5	WTB-666/642			266.8 ACSR 36/7, 336.4, 397.5	0.642" - 0.806"	336718
6	WTB-769/184	397 ACSR 24/7, 450 MCM, 477, 500 MCM, 556.5 AAC	0.769" - 0.858"	#6 AAC, #4, #2	0.184" - 0.316"	477057
7	WTB-769/292			#2, 1/0	0.292" - 0.398"	477962
8	WTB-769/398			1/0 ACSR, 2/0, 3/0 AAC	0.398" - 0.501"	477853
9	WTB-769/502			3/0 ACSR, 4/0, 250, 266.8, 300 AAC	0.502" - 0.627"	477724
10	WTB-769/628			266.8 ACSR 36/7, 300 AAC, 336.4, 397.5 ACSR 24/7	0.628" - 0.772"	477633
11	WTB-769/720			336.4 ACSR 26/7, 397, 477, 500 MCM, 556 AAC	0.720" - 0.858"	477434
12	WTB-856/162	477 ACSR 26/7, 556, 600 MCM, 636 ACSR 18/1, 605 ACSR	0.856" - 0.953"	#6, #4, #2	0.162" - 0.316"	556956
13	WTB-856/292			#2, #1, 1/0	0.292" - 0.398"	556892
14	WTB-856/368			1/0, 2/0, 3/0, 4/0 AAC	0.368" - 0.521"	556783
15	WTB-856/522			4/0, 250, 266.8, 300 MCM, 336 AAC, 350 MCM	0.522" - 0.679"	556638
16	WTB-856/680			350 MCM, 336.4, 397.5, 477 AAC	0.680" - 0.806"	556504
17	WTB-856/795			397 ACSR 30/7, 477, 500 MCM, 556.5, 636 AAC	0.795" - 0.918"	556294
18	WTB-856/914			556.5 ACSR 24/7, 636 AAC, 636 ACSR 18/1, 605	0.914" - 0.952"	556294-1

* For Replacement Breakaway Bolts, see page 17 of the TAPLINK® catalog for ordering information.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.



WTC Series 795 - 1272 Series Wedge Tap Connectors

AFL Wedge Tap Connectors are used to make complete aluminum-to-aluminum and aluminum-to-copper electrical connections. The bolted wedge technology makes installations quicker, easier and safer when compared with traditional tap connectors by eliminating the need for specialized tooling for the same type of connection. Once the appropriate pressure is obtained by the wedge, the breakaway bolt will shear off giving a visual indication that a correct installation has been made.

The connector is rated for the full current of the conductors within its range. As the conductors expand and contract under thermal cycling, the C-shaped body operates within the elastic region of its mechanical properties, allowing the connection to maintain constant pressure, resulting in reliability of performance.

This connector is reusable and can easily be removed by backing out the bolt, which will drive out the wedge. AFL recommends replacing the bolt and applying more inhibitor grease when reusing.

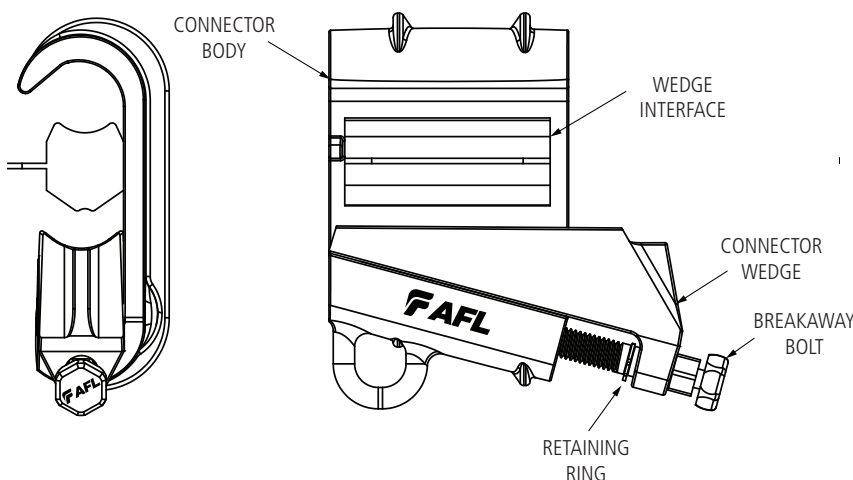
The wedge tap connectors are comprised of high strength aluminum castings, a breakaway bolt and a highly conductive aluminum interface, providing a secure, reliable solution with an installation that is both fast and simple.

Standard Packaging

QUANTITY	WEIGHT
20	40 lbs

Features

- Material
 - Connector Body—Aluminum Alloy
 - Connector Wedge—Aluminum Alloy
 - Breakaway Bolt—Aluminum
 - Retaining Ring—Steel
 - Connector Interface—6101-T6
- Breakaway Bolt Torque: 10-12 ft-lbs
 - Bolt Head size: 3/4"
- For use on ACSR, AAC and AAAC
- For Aluminum-to-Copper connections, the copper wire should be located on the bottom in order to minimize contamination.



* Not rated for HT Conductors

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WTC Series 795 - 1272 Series Wedge Tap Connectors (cont.)

Ordering Information

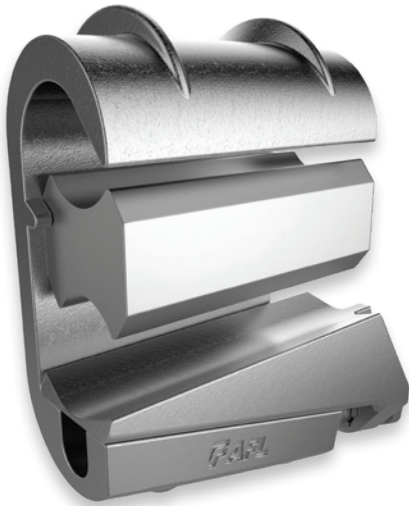
LINE NO.	AFL NO.	RUN		TAP		CPI NO.
		CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	
1	WTC-973/162	636 ACSR, 715, 750 MCM, 795, 900 MCM	0.973" - 1.108"	#6, #4, #2 AAC	0.162" - 0.315"	795454
2	WTC-973/316			#2 ACSR, #1, 1/0, 2/0 AAC	0.316" - 0.446"	795360
3	WTC-973/447			2/0 ACSR, 3/0, 4/0, 250 AAC	0.447" - 0.585"	795218
4	WTC-973/586			266.8, 300 MCM, 350 MCM, 336.4 ACSR 18/1	0.586" - 0.719"	795050
5	WTC-973/720			336.4 ACSR 26/7, 450 MCM, 500 MCM, 477, 556.5 AAC	0.720" - 0.878"	795920
6	WTC-973/879			477 ACSR 30/7, 556.5 ACSR, 600 MCM, 605 MCM, 636 ACSR 18/1, 715.5 AAC	0.879" - 0.990"	795730
7	WTC-973/991			636 ACSR 26/7, 750 MCM, 715, 795, 900 MCM	0.991" - 1.108"	795594
8	WTC-1124/162	954, 900 ACSR, 1000 MCM, 1113 AAC, 1033.5 AAC	1.124" - 1.196"	#6, #4, #2 AAC	0.162" - 0.315"	954420
9	WTC-1124/316			#2 ACSR, #1, 1/0, 2/0 AAC	0.316" - 0.446"	954320
10	WTC-1124/447			2/0 ACSR, 3/0, 4/0, 250 AAC	0.447" - 0.585"	954175
11	WTC-1124/586			266.8, 300 MCM, 350 MCM, 366.4 ACSR 18/1	0.586" - 0.719"	954030
12	WTC-1124/720			366.4 ACSR 26/7, 450 MCM, 397.5, 477, 500 MCM, 556.5 AAC	0.720" - 0.857"	954870
13	WTC-1124/858			477 ACSR 26/7, 556, 605, 715 AAC, 636 ACSR 26/7	0.858" - 0.999"	954660
14	WTC-1124/1000			666.6 ACSR 24/7, 715 ACSR, 795, 900 AAC	1.000" - 1.106"	954484
15	WTC-1124/1107	795 ACSR 26/7, 954, 1113 MCM, 900 ACSR, 1000 MCM, 1033.5 AAC	1.107" - 1.196"	954390		
16	WTC-1212/162	1033.5 ACSR, 1113 ACSR, 1192 AAC, 1272 AAC	1.212" - 1.300"	#6, #4, #2 AAC	0.162" - 0.315"	103370
17	WTC-1212/316			#2 ACSR, #1, 1/0, 2/0 AAC	0.316" - 0.446"	103260
18	WTC-1212/447			2/0 ACSR, 3/0, 4/0 AAC	0.447" - 0.562"	103110
19	WTC-1212/563			4/0 ACSR, 250 MCM, 266.8, 300 MCM	0.563" - 0.664"	103945
20	WTC-1212/665			350 MCM, 336.4, 397.5, 450 MCM	0.665" - 0.794"	103780
21	WTC-1212/795			397.5 ACSR 30/7, 477, 500 MCM, 556 AAC, 600 MCM	0.795" - 0.913"	119793
22	WTC-1212/914			556.5 ACSR 24/7, 636, 715 ACSR 24/7, 750 MCM, 795 AAC	0.914" - 1.039"	103680
23	WTC-1212/1040			795 ACSR 36/1, 900, 954 AAC, 1000 AAC, 1113 MCM	1.040" - 1.161"	103580
24	WTC-1212/1162			900 ACSR 45/7, 1033.5, 954 ACSR, 1192.5 AAC	1.162" - 1.258"	103380
25	WTC-1212/1212			1113 ACSR, 1272 AAC	1.212" - 1.300"	119250

* For Replacement Breakaway Bolts, see page 17 of the TAPLINK® catalog for ordering information.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.



WTD Series 1272 - 1590 Series Wedge Tap Connectors

AFL Wedge Tap Connectors are used to make complete aluminum-to-aluminum and aluminum-to-copper electrical connections. The bolted wedge technology makes installations quicker, easier and safer when compared with traditional tap connectors by eliminating the need for specialized tooling for the same type of connection. Once the appropriate pressure is obtained by the wedge, the breakaway bolt will shear off giving a visual indication that a correct installation has been made.

The connector is rated for the full current of the conductors within its range. As the conductors expand and contract under thermal cycling, the C-shaped body operates within the elastic region of its mechanical properties, allowing the connection to maintain constant pressure, resulting in reliability of performance.

This connector is reusable and can easily be removed by backing out the bolt, which will drive out the wedge. AFL recommends replacing the bolt and applying more inhibitor grease when reusing.

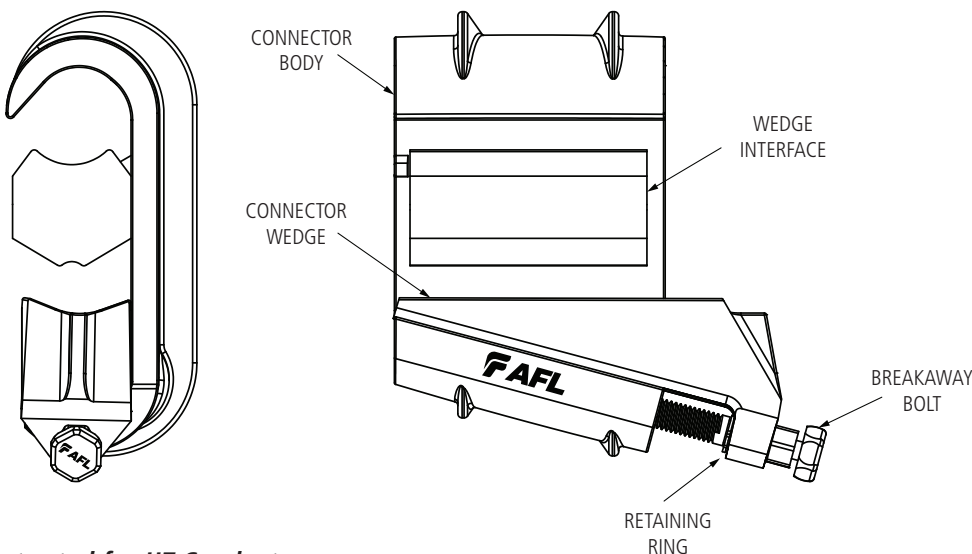
The wedge tap connectors are comprised of high strength aluminum castings, a breakaway bolt and a highly conductive aluminum interface, providing a secure, reliable solution with an installation that is both fast and simple.

Standard Packaging

QUANTITY	WEIGHT
10	32 lbs

Features

- Material
 - Connector Body—Aluminum Alloy
 - Connector Wedge—Aluminum Alloy
 - Breakaway Bolt—Aluminum
 - Retaining Ring—Steel
 - Connector Interface—6101-T6
- Breakaway Bolt Torque: 10-12 ft-lbs
 - Bolt Head size: 3/4"
- For use on ACSR, AAC and AAAC
- For Aluminum-to-Copper connections, the copper wire should be located on the bottom in order to minimize contamination.



* Not rated for HT Conductors

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WTD Series 1272 - 1590 Series Wedge Tap Connectors (cont.)

Ordering Information

LINE NO.	AFL NO.	RUN		TAP		CPI NO.
		CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	
1	WTD-1345/316	1272 ACSR 45/7 1272 ACSR 54/19 1351.5 ACSR 54/19 1431 AAC 61 1590 AAC 61 1590 ACSR 45/7	1.345" - 1.504"	#2 ACSR, #1, 1/0, 2/0, 4/0 AAC, 3/0 ACSR	0.316" - 0.550"	135002, 159400
2	WTD-1345/551			250 AAC, 336.4 ACSR 26/7, 397 AAC	0.551" - 0.731"	159336
3	WTD-1345/732			336.4 ACSR 30/7, 450 MCM, 500 MCM, 477, 556.5 AAC, 477 ACSR 26/7	0.732" - 0.861"	135397
4	WTD-1345/862			556.5 ACSR 30/7, 605 ACSR 26/7, 715 AAC	0.862" - 0.979"	—
5	WTD-1345/980			636 ACSR 18/1, 795 AAC, 795 ACSR 36/1	0.980" - 1.087"	159795, 135636, 159796
6	WTD-1345/1088			795 ACSR 54/7, 954 ACSR 45/7, 900, 1000, 1033.5 AAC	1.088" - 1.185"	127954
7	WTD-1345/1186			954 ACSR 54/7, 1113 ACSR 45/7, 1113, 1192.5 AAC	1.186" - 1.275"	—
8	WTD-1345/1276			1272 ACSR 45/7, 1272, 1351.5 AAC	1.276" - 1.356"	127127, 127143, 159127
9	WTD-1345/1357			1272 ACSR 54/19, 1431 AAC, 1431 ACSR 45/7	1.357" - 1.431"	135135, 127128
10	WTD-1345/1432			1590 AAC, 1590 ACSR 45/7	1.432" - 1.504"	159159

* For Replacement Breakaway Bolts, see page 17 of the TAPLINK® catalog for ordering information.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.



2-HOLE PAD TAP



4-HOLE PAD TAP

Wedge Pad Tap Connectors

The C-shaped body of AFL's Pad Tap connector includes a 2-hole or 4-hole NEMA pad that can be used to connect various NEMA devices to aluminum and copper conductors. The bolted wedge technology makes installations quicker, easier and safer when compared with traditional tap connectors by eliminating the need for specialized tooling for the same type of connection. Once the appropriate pressure is obtained by the wedge, the breakaway bolt will shear off giving a visual indication that a correct installation has been made.

The connector is rated for the full current of the conductors within its range. As the conductors expand and contract under thermal cycling, the C-shaped body operates within the elastic region of its mechanical properties, allowing the connection to maintain constant pressure, resulting in reliability of performance. This connector is reusable and can easily be removed by backing out the bolt, which will drive out the wedge.

The wedge tap connectors are comprised of high strength aluminum castings, a breakaway bolt, and a highly conductive aluminum interface, providing a secure, reliable solution with an installation that is both fast and simple.

Features

- Material
 - Connector Pad Tap Body—Aluminum Alloy
 - Connector Wedge—Aluminum Alloy
 - Wedge Interface—6101-T6
 - Breakaway Bolt—Aluminum
 - Retaining Ring—Steel
- Breakaway Bolt Torque: 10-12 ft-lbs
 - Bolt Head size: 3/4"
- For use on ACSR, AAC and AAAC conductors

Standard Packaging

QUANTITY	WEIGHT
10	40 lbs

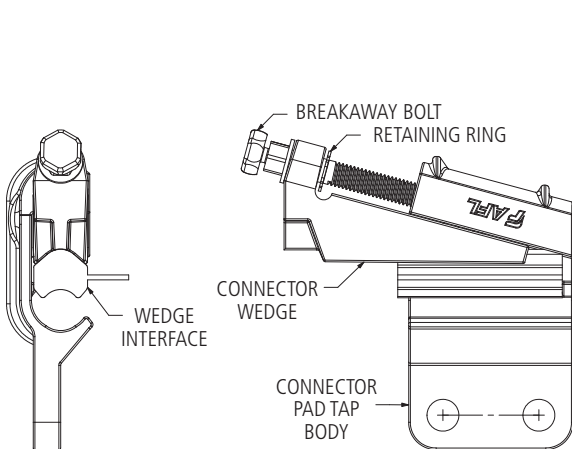


FIG. 1

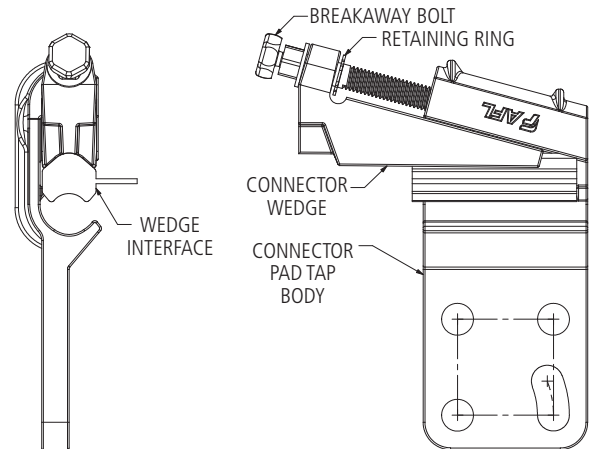


FIG. 2

** Not rated for HT Conductors*

continued
→

Wedge Pad Tap Connectors (cont.)

Ordering Information

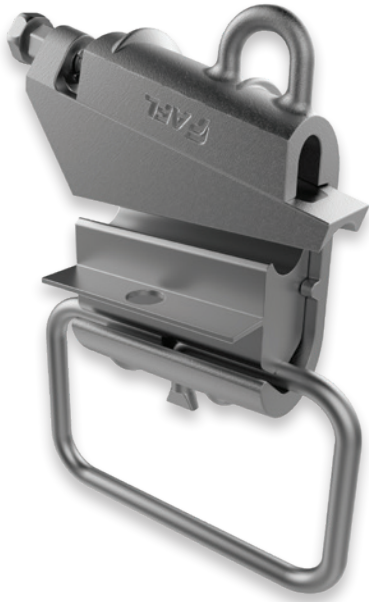
LINE NO.	AFL NO.	FIG. NO.	CONDUCTOR		EST. WEIGHT	CPI NO.
			SIZE	DIAMETER RANGE		
1	PT2B-292	1	#2, 1/0, 2/0 AAC	0.292" - 0.413"	4.66 lbs	723210-1
2	PT4B-292	2			4.98 lbs	723210
3	PT2B-414	1	2/0, 3/0	0.414" - 0.521"	4.63 lbs	723003-1
4	PT4B-414	2			4.95 lbs	723003
5	PT2B-522	1	4/0, 250, 266.8, 300, 350, 336.4 AAC, 336.4 ACSR 18/1 & 26/7	0.522" - 0.719"	4.57 lbs	723004-1
6	PT4B-522	2			4.89 lbs	723004
7	PT2B-720	1	336.4 ACSR 30/7, 397.5, 450, 477, 500, 556.5 AAC, 556.5 ACSR 18/1 & 24/7, 636 AAC	0.720" - 0.917"	4.46 lbs	723005-1
8	PT4B-720	2			4.78 lbs	723005
9	PT2D-918	1	556.5 ACSR 26 & 30/7, 605, 715, 750, 636, 666.6, 795, 900, 954 AAC	0.918" - 1.124"	4.35 lbs	723006-1
10	PT4D-918	2			4.67 lbs	723006
11	PT2D-1125	1	954, 1000 (954)	1.125" - 1.215"	4.29 lbs	723007-1
12	PT4D-1125	2			4.61 lbs	723007
13	PT2D-1216	1	1033 AAC, 1272 AAC	1.216" - 1.302"	4.23 lbs	723008-1
14	PT4D-1216	2			4.55 lbs	723008

* For Replacement Breakaway Bolts, see page 17 of the TAPLINK® catalog for ordering information.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.



Wedge Stirrup Connectors

AFL Wedge Stirrup Connectors are designed to protect the conductor from damage caused by arcing in applications where hotline clamps are attached. The bolted wedge technology makes installations quicker, easier and safer when compared with traditional tap connectors by eliminating the need for specialized tooling for the same type of connection. Once the appropriate pressure is obtained by the wedge, the breakaway bolt will shear off giving a visual indication that a correct installation has been made.

The connector is rated for the full current of the conductors within its range. As the conductors expand and contract under thermal cycling, the C-shaped body operates within the elastic region of its mechanical properties, allowing the connection to maintain constant pressure, resulting in reliability of performance.

This connector is reusable and can easily be removed by backing out the bolt, which will drive out the wedge. AFL recommends replacing the bolt and applying more inhibitor grease when reusing.

The wedge stirrup connectors are comprised of high strength aluminum castings, a breakaway bolt, a tin-plated copper bail and a highly conductive aluminum interface, providing a secure, reliable solution with an installation that is both fast and simple.

Standard Packaging

BODY	QUANTITY	WEIGHT
SCA	25	25 lbs
SCB	10	27 lbs

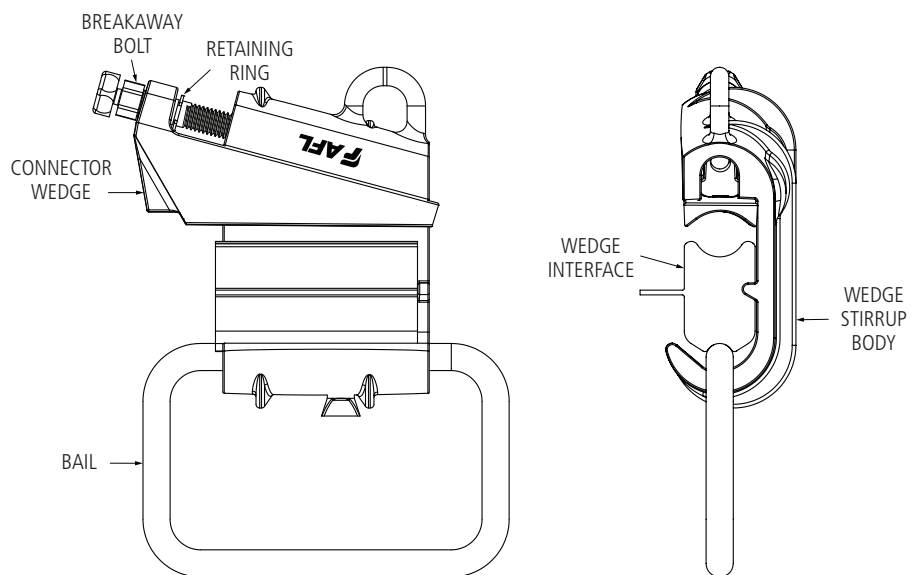
Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

Features

- Material
 - Wedge Stirrup Body—Aluminum Alloy
 - Connector Wedge—Aluminum Alloy
 - Wedge Interface—6101-T6
 - Bail—Copper Alloy (Tin Plated)
 - Breakaway Bolt—Aluminum
 - Retaining Ring—Steel
- Breakaway Bolt Torque:
 - SCA: 10 ft-lbs
 - SCB: 12 ft-lbs
- For use on ACSR, AAC and AAAC conductors
- Bolt Head sizes: 5/8" and 3/4"



*** Not rated for HT Conductors**

continued
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Wedge Stirrup Connectors (cont.)

Ordering Information

LINE NO.	AFL NO.	CONDUCTOR		BAIL SIZE	BAIL AMPACITY	CPI NO.
		SIZE	DIAMETER RANGE			
1	SCA-162/292B1	#6, #4, #2 AAC	0.162" - 0.292"	1/0	550	102011
2	SCA-292/398B1	#2, #1, 1/0	0.292" - 0.398"			102010
3	SCA-414/522B1	2/0, 3/0, 4/0 AAC	0.414" - 0.522"			102009
4	SCA-502/574B1	3/0 ACSR, 250, 4/0	0.502" - 0.574"			264124
5	SCA-586/724B1	266.8, 300, 336.4, 397.5 AAC	0.586" - 0.724"			336915-1
6	SCB-642/743B2	266.8 ACSR 26/7, 336.4, 397.5 AAC, 397.5 ACSR 18/1	0.642" - 0.743"	2/0	850	336875
7	SCB-642/743B4			4/0	—	336780
8	SCB-769/883B2	450, 397.5 ACSR, 477, 500, 556.5 AAC, 556.5 ACSR 18/1	0.769" - 0.883"	2/0	850	556580
9	SCB-769/883B4			4/0	—	556595
10	SCB-856/991B2	477 ACSR 26/7 30/7, 556.5, 600, 636, 605, 715 AAC	0.856" - 0.991"	2/0	850	636556
11	SCB-856/991B4			4/0	—	636556-1
12	SCB-990/1108B2	636 ACSR, 750, 666.6, 715, 795, 900	0.990" - 1.108"	2/0	850	795500
13	SCB-990/1108B4			4/0	—	795405
14	SCB-1036/1162B2	715.5 ACSR, 795 ACSR, 900, 954, 1113 AAC, 1000	1.036" - 1.162"	2/0	850	103228
15	SCB-1036/1162B4			4/0	—	103228-1
16	SCB-1124/1302B2	954, 1113, 900 ACSR, 1033.5, 1113, 1272 AAC	1.124" - 1.302"	2/0	850	119375
17	SCB-1124/1302B4			4/0	—	119375-1

* For Replacement Breakaway Bolts, see page 17 of the TAPLINK® catalog for ordering information.



D12449-1



D12449-2

Replacement Breakaway Bolts

AFL recommends replacing the bolts of any wedge connector that is to be re-used. Reference the tables below for more details regarding ordering information, standard pack and bolt sizes.

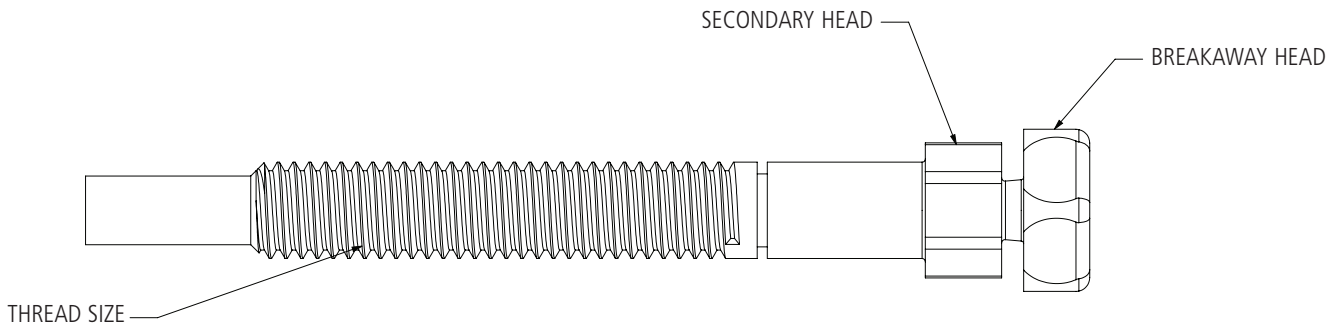
Dimensions

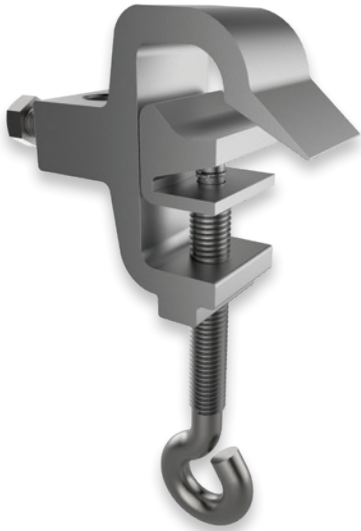
AFL NO.	STANDARD PACK	THREAD SIZE	BREAKAWAY HEAD SIZE	SECONDARY HEAD SIZE
D12449-1PK	25	3/8-16	5/8"	9/16"
D12449-2PK	10	7/16-14	3/4"	9/16"

Ordering Information

Refer to the Wedge Connector catalog sheets for the prefix number.

FOR AFL NO. PREFIX	ORDER BOLT NO.
WTA	D12449-1PK
WTB	D12449-2PK
WTC	D12449-2PK
WTD	D12449-2PK
SCA	D12449-1PK
SCB	D12449-2PK
PT2B	D12449-2PK
PT4B	D12449-2PK
PT2D	D12449-2PK
PT4D	D12449-2PK





Hotline Tap Connectors

AFL Hotline Tap connectors consist of extruded aluminum bodies that connect to aluminum and copper conductors by an extruded keeper and a stainless steel eyebolt. The geometry of the body allows the connector to stay within the elastic region of its mechanical properties, allowing the connection to maintain constant pressure, resulting in reliability of performance.

This connector is designed for hotline applications and can be removed and reused as desired as a temporary or permanent connection. It is rated for the full current capacity of the conductors within its range.

Features

- Material
 - Hotline Tap Body—Aluminum
 - Hotline Bail Keeper—Aluminum
 - Eye Bolt—Stainless
 - 1/2"-13 Hex Head Bolt—Aluminum
 - Retaining Ring—Steel
 - U-Drive Screw—Stainless
- For use on ACSR, AAC and AAAC conductors

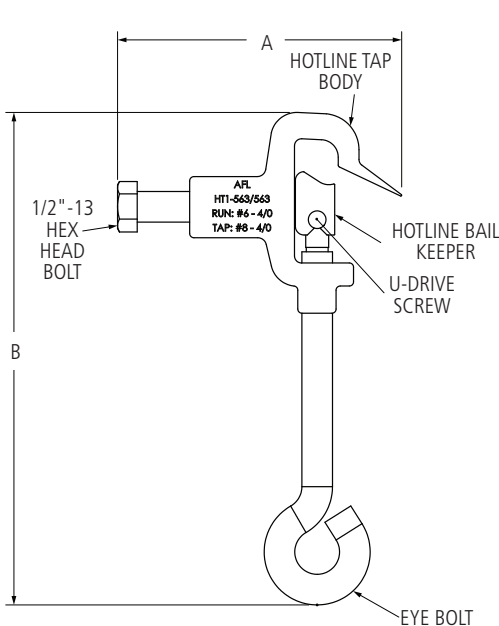


FIG. 1

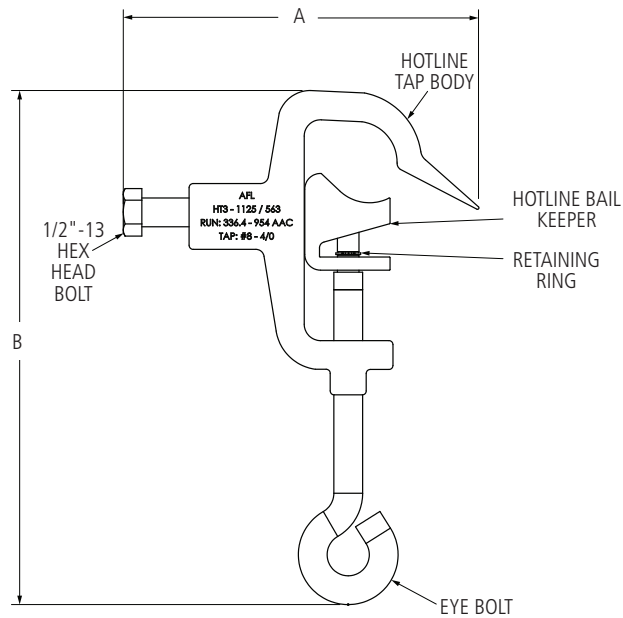


FIG. 2

*** Not rated for HT Conductors**

continued
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Hotline Tap Connectors (cont.)

Ordering Information

AFL NO.	FIG. NO.	CONDUCTOR RANGE				DIMENSIONS IN INCHES		STANDARD PACKAGING		CPI NO.
		RUN	DIAMETER	TAP	DIAMETER	A	B	QUANTITY	WEIGHT	
HT1-563/563	1	#6 - 4/0	0.162" - 0.563"	#8 - 4/0	0.146" - 0.563"	4.07	7.04	50	29 lbs	HTC 100-4, HTC 100
HT2-858/563	2	1/0 ACSR - 556.5 AAC	0.398" - 0.858"	#8 - 4/0	0.146" - 0.563"	4.64	7.18	25	23 lbs	HTC 200-4, HTC 200
HT3-1125/563	2	336.4 - 954 AAC	0.665" - 1.125"	#8 - 4/0	0.146" - 0.563"	5.40	7.81	25	32 lbs	HTC 300

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

Test Executive Summary

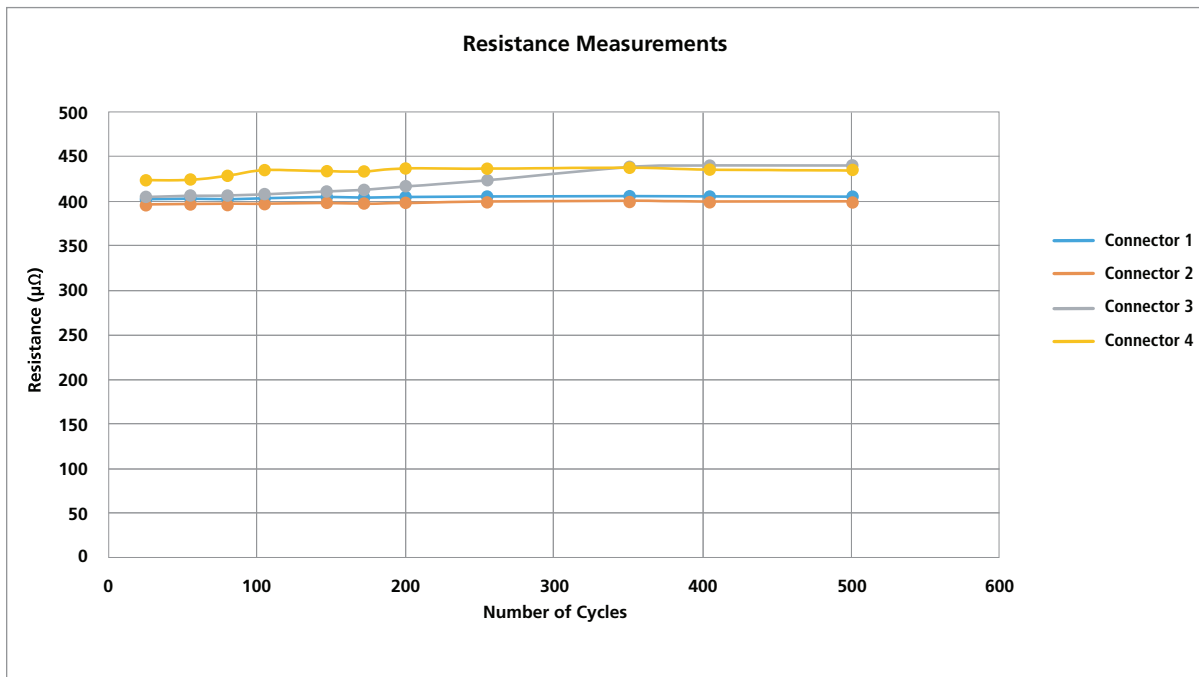
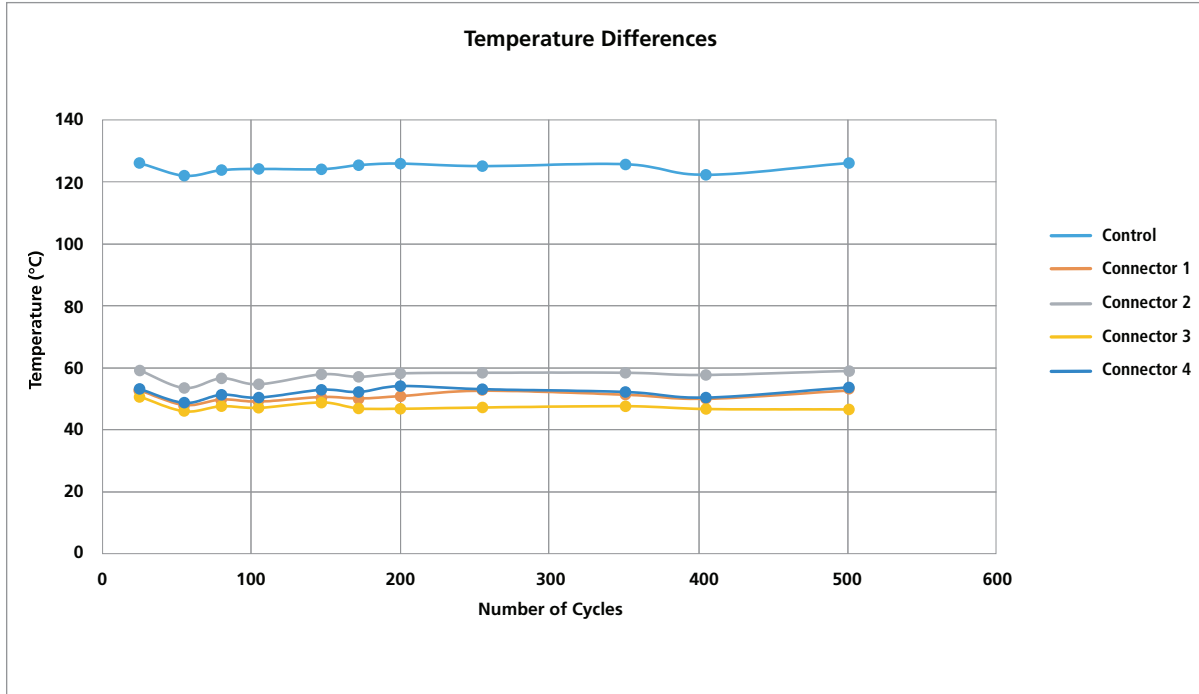
Qualification testing for AFL's TAPLINK® connectors was performed in accordance with ANSI C119.4 specification. Both the Wedge Tap Connector series and the Hotline Tap Connector series clamps successfully passed the electrical and mechanical requirements stated in C119.4 for Class A connectors.

Additional testing was performed on the pad tap, wedge stirrup, and hotline bail connectors in order to qualify the specific tapping methods, such as a NEMA pad or copper bail, which is utilized in the connector design. This testing was performed utilizing the methods specified in NEMA CC1.

Data resulting from these tests is shown in the graphs on the following pages.

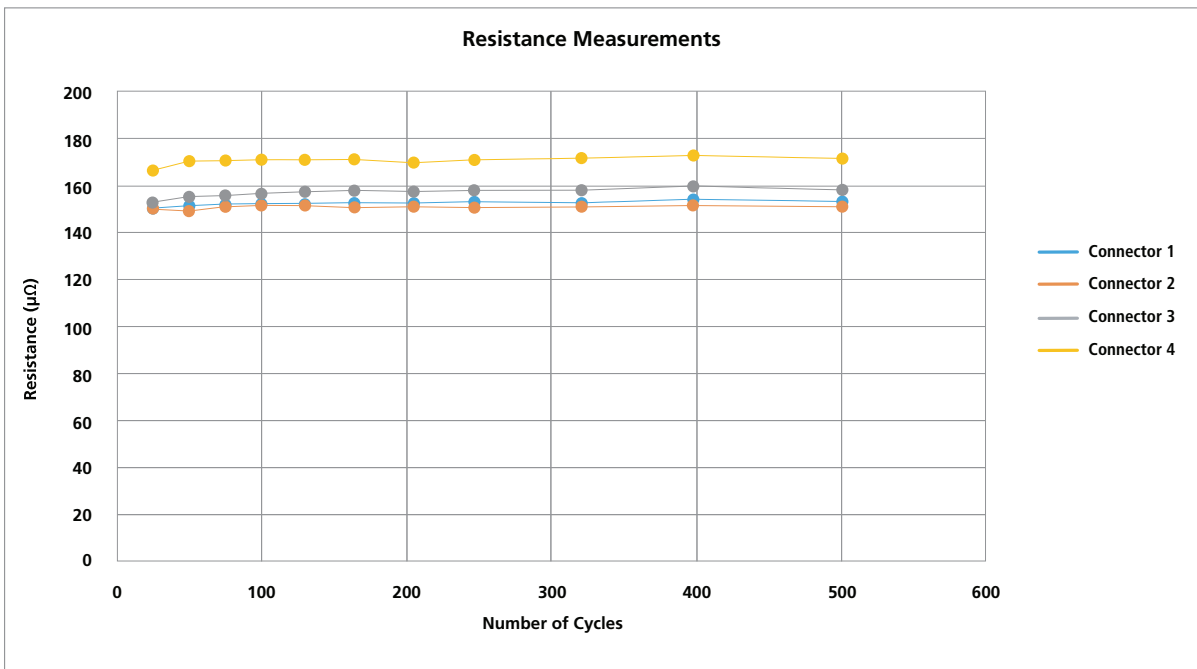
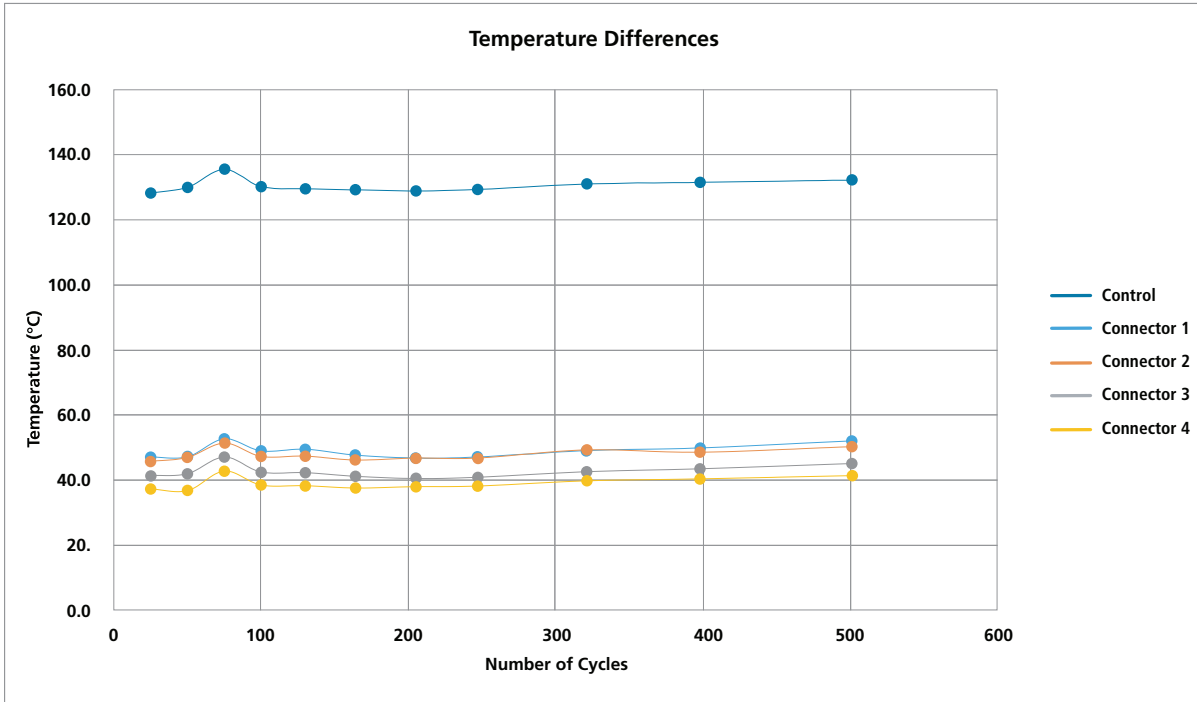
Wedge Tap Testing

CCT per ANSI C119.4 performed on WTA-502/522



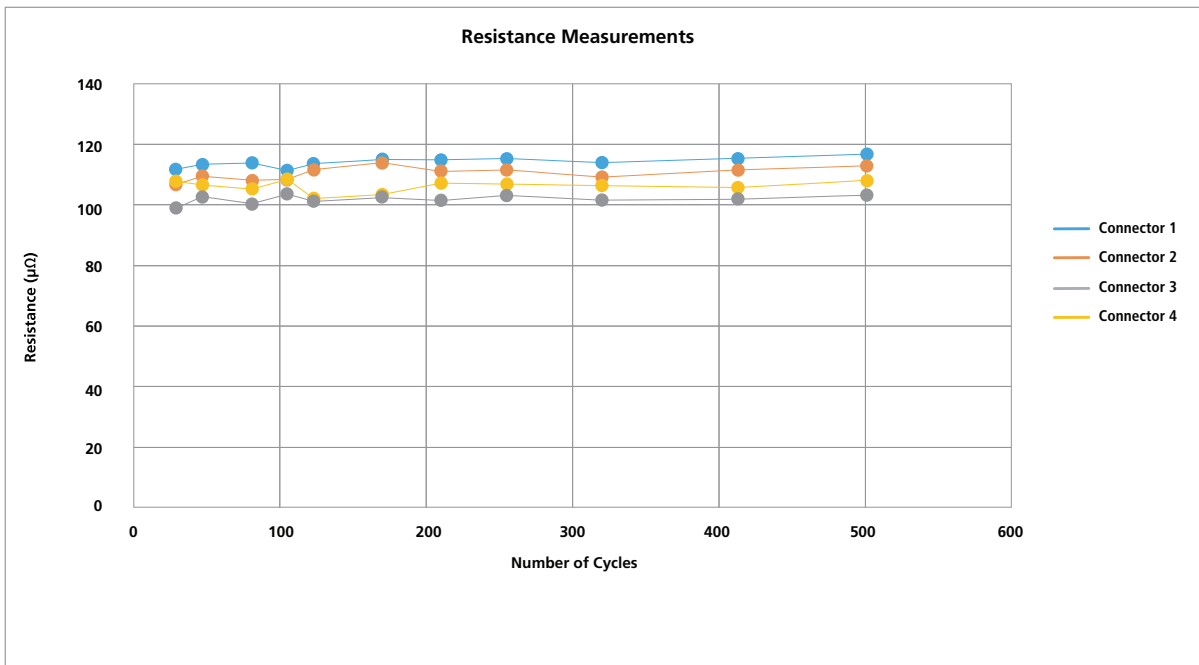
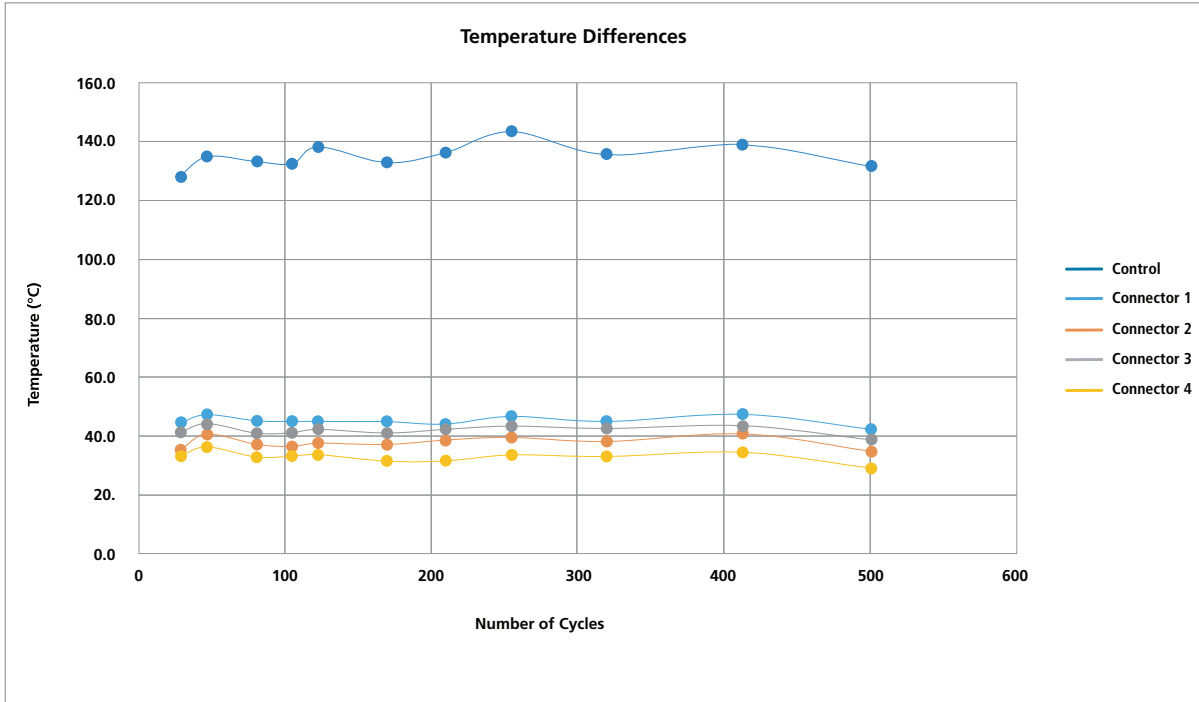
Wedge Tap Testing (cont.)

CCT per ANSI C119.4 performed on WTB-856/795



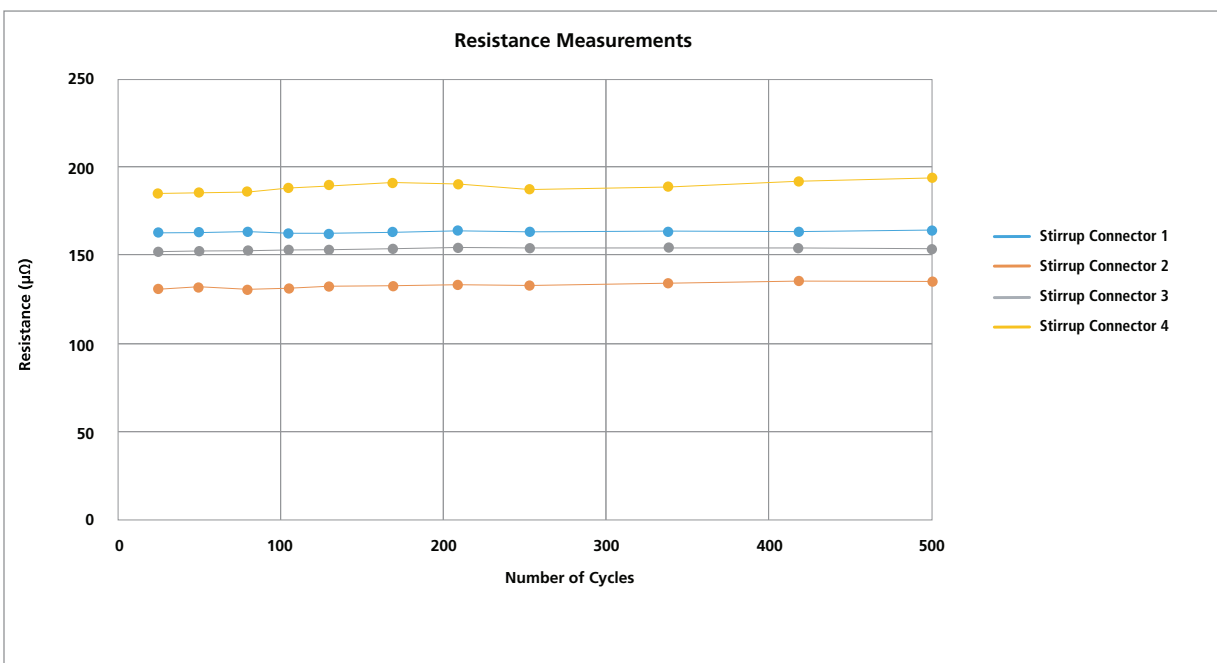
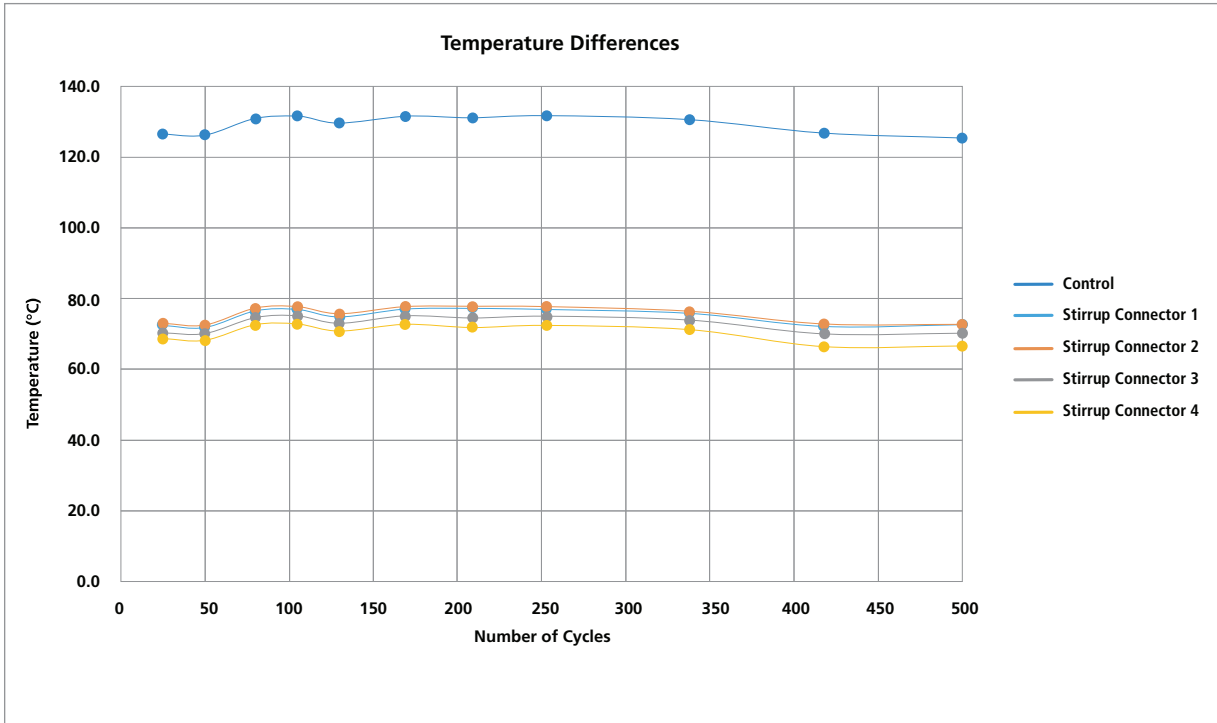
Wedge Tap Testing (cont.)

CCT per ANSI C119.4 performed on WTC-973/991



Wedge Stirrup Testing

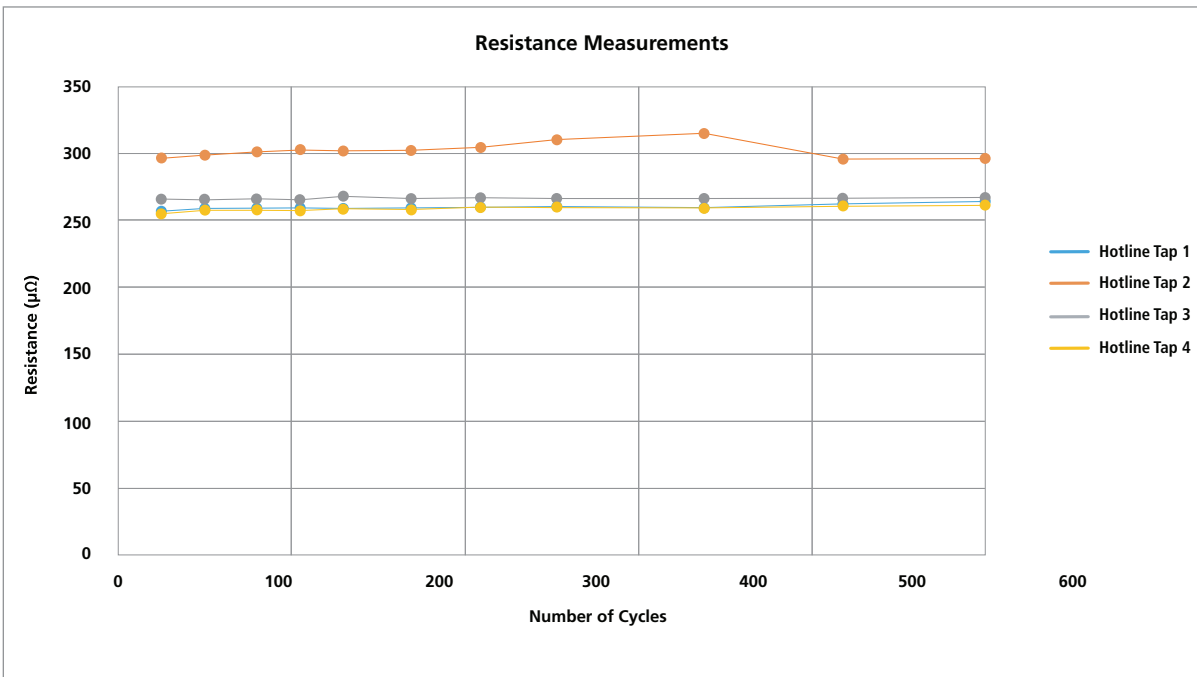
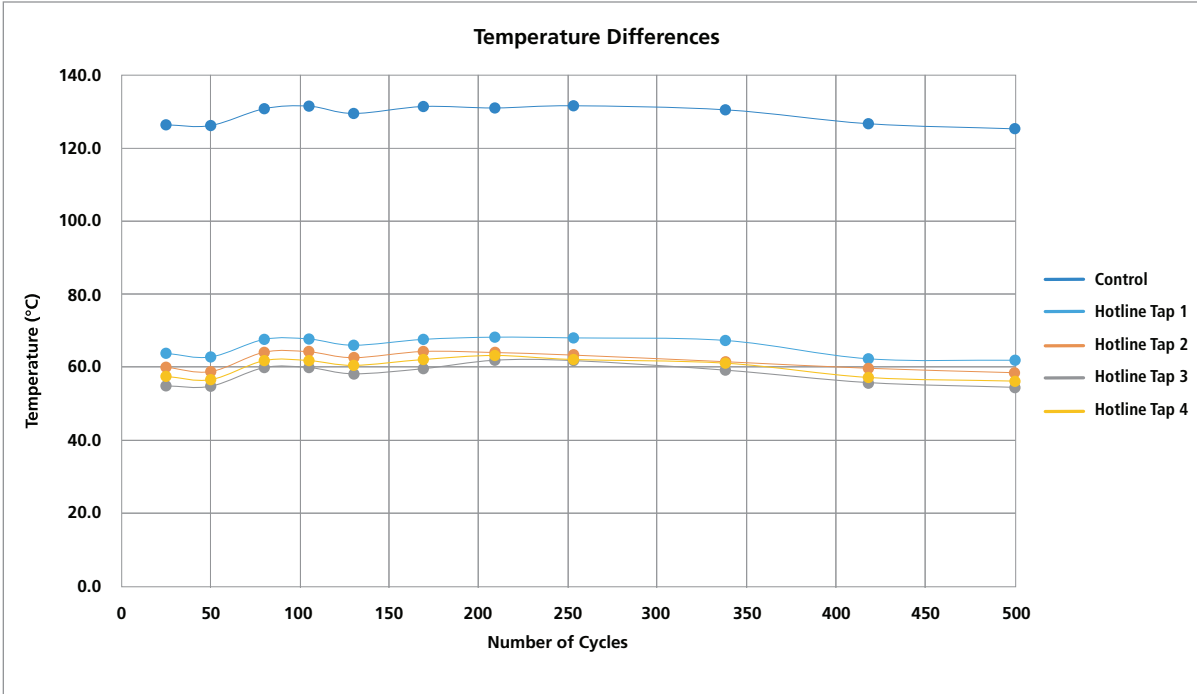
CCT per ANSI C119.4 performed on SCA-502/574B1



Hotline Tap Testing

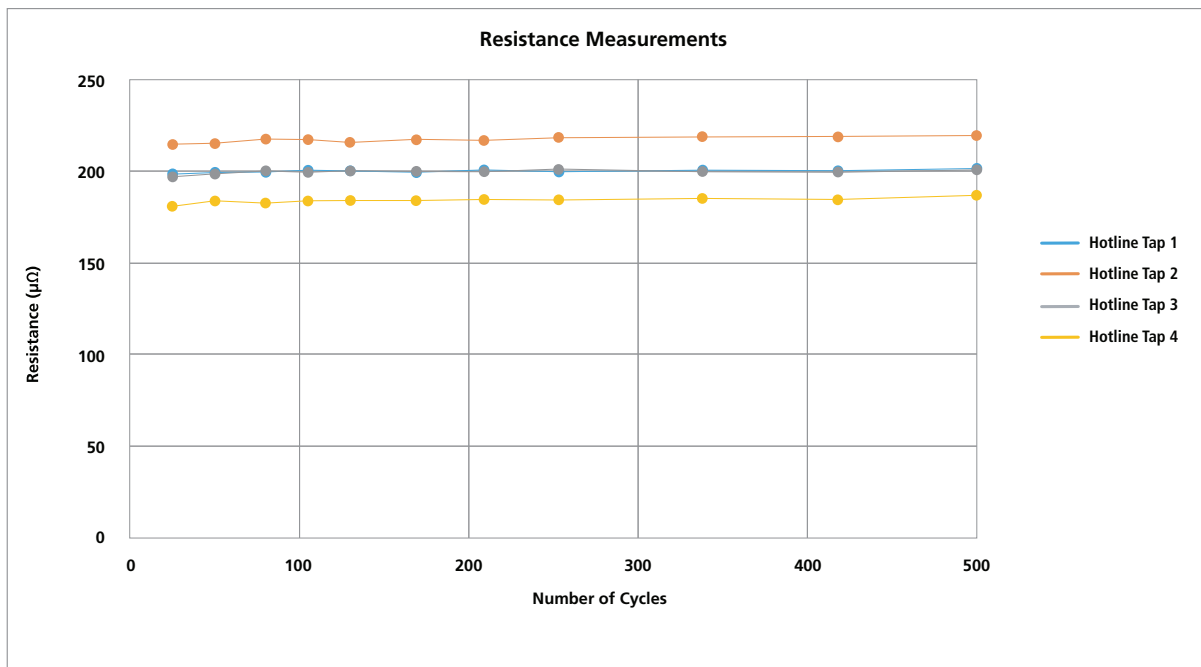
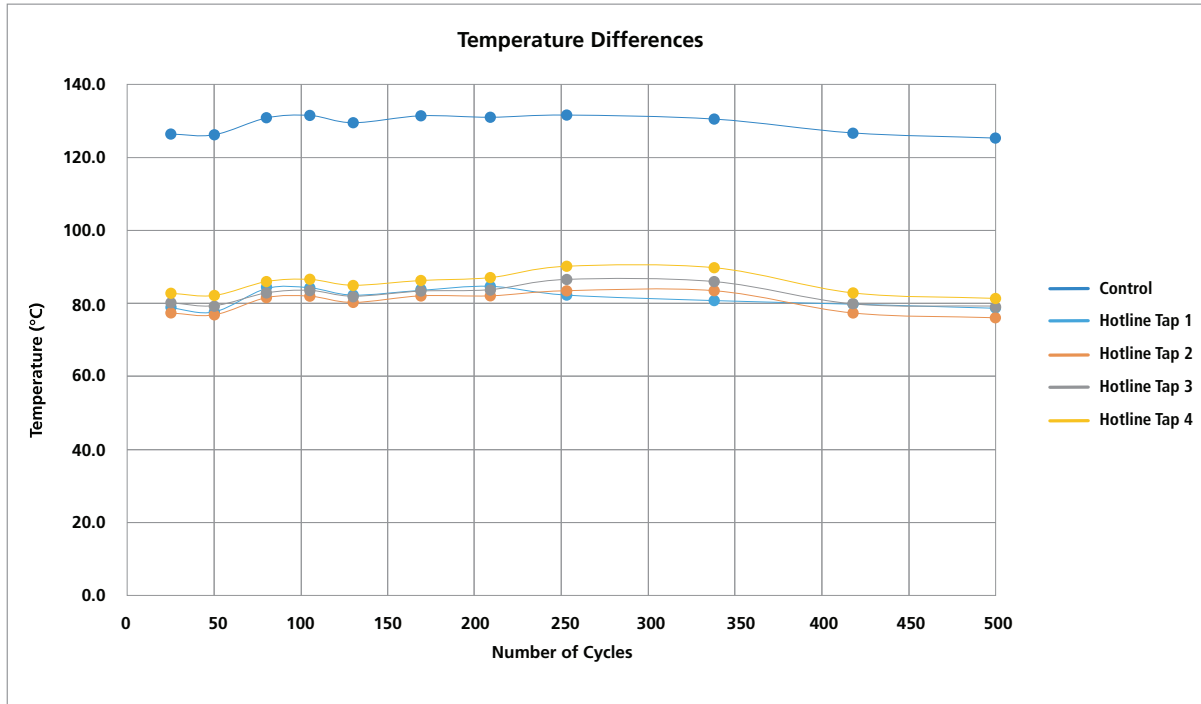
CCT per ANSI C119.4 performed on HT1-563/563

TAPLINK® Connectors



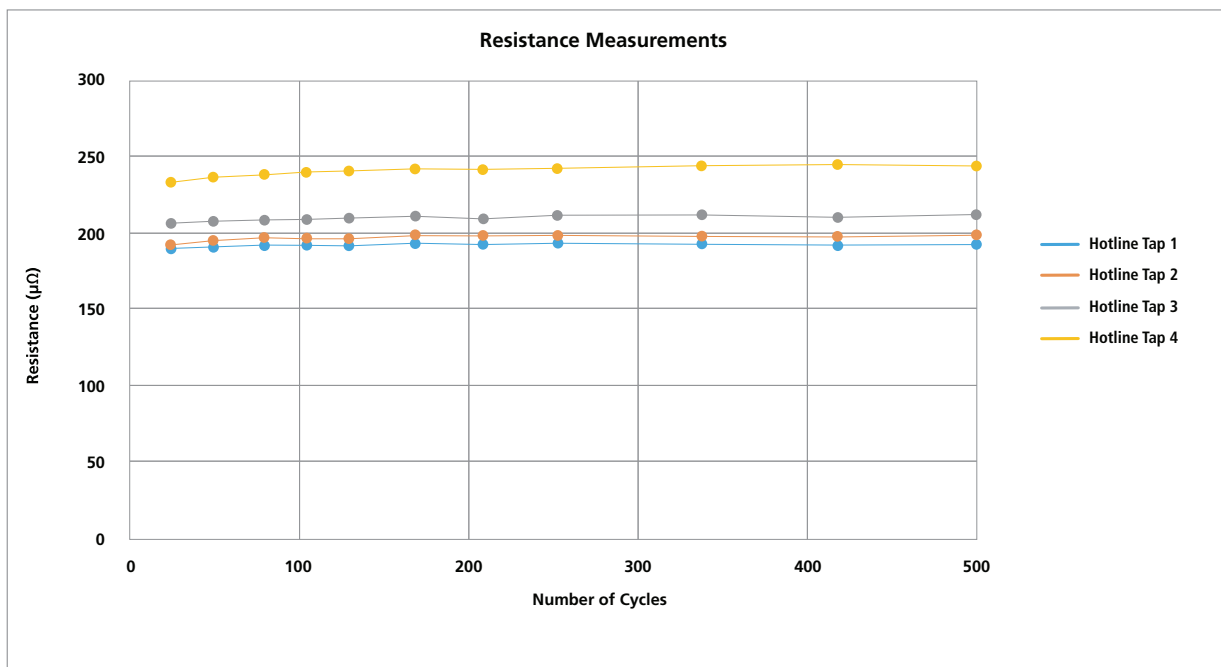
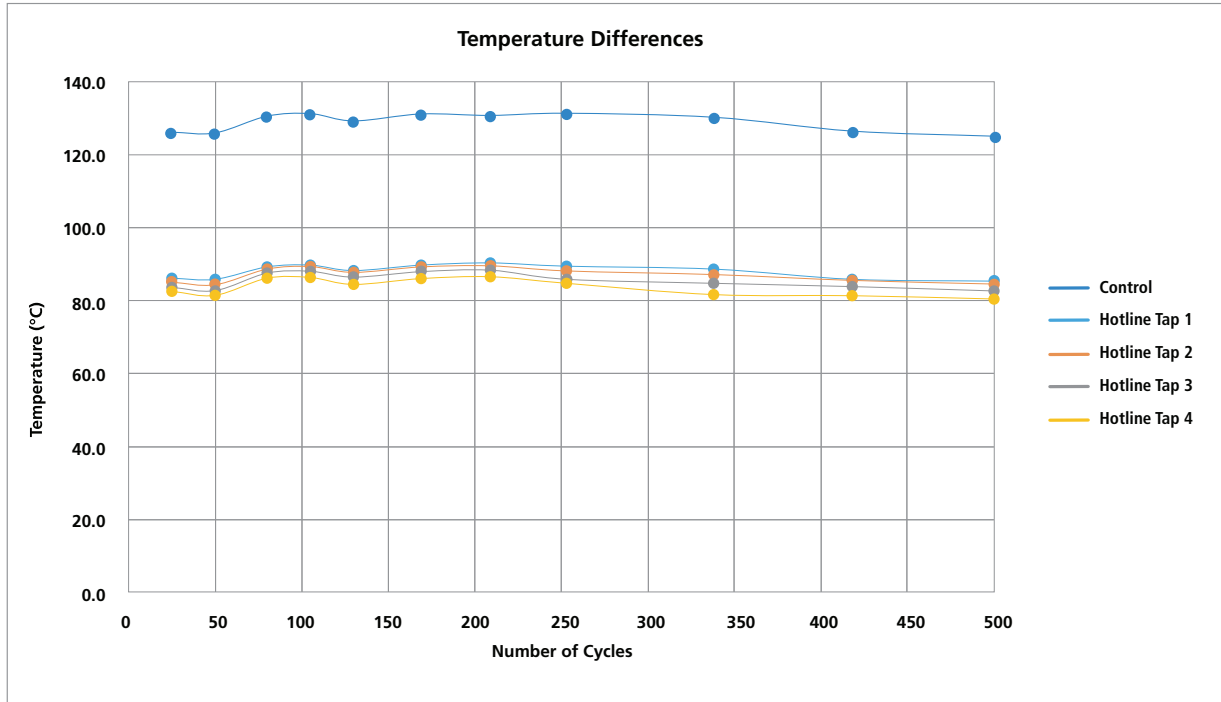
Hotline Tap Testing (cont.)

CCT per ANSI C119.4 performed on HT2-858/563



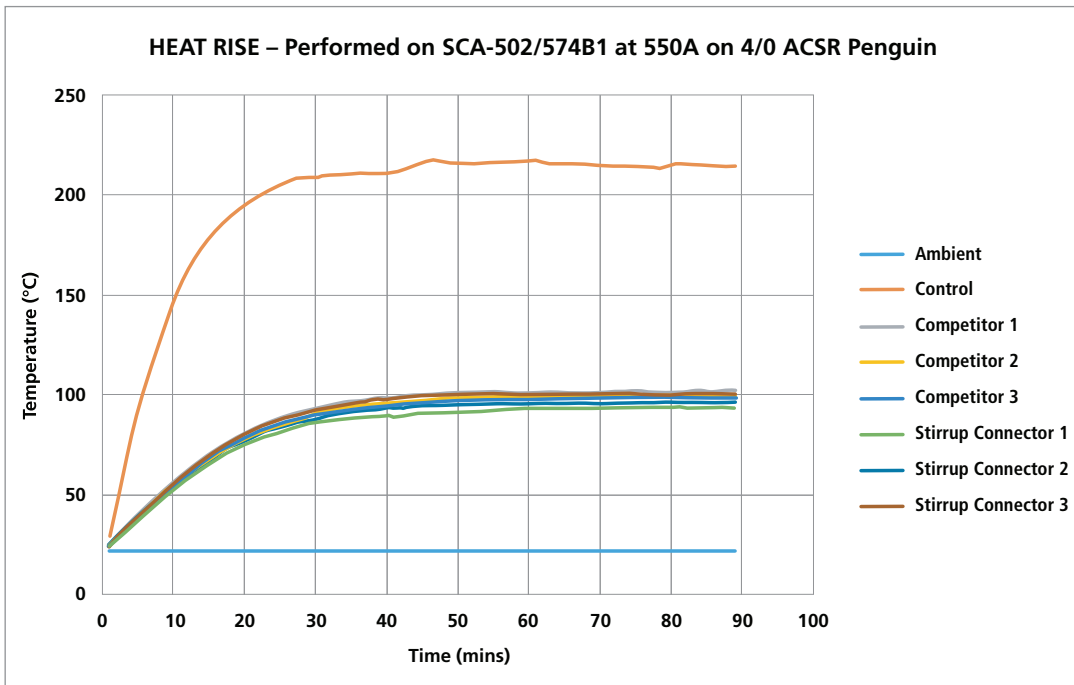
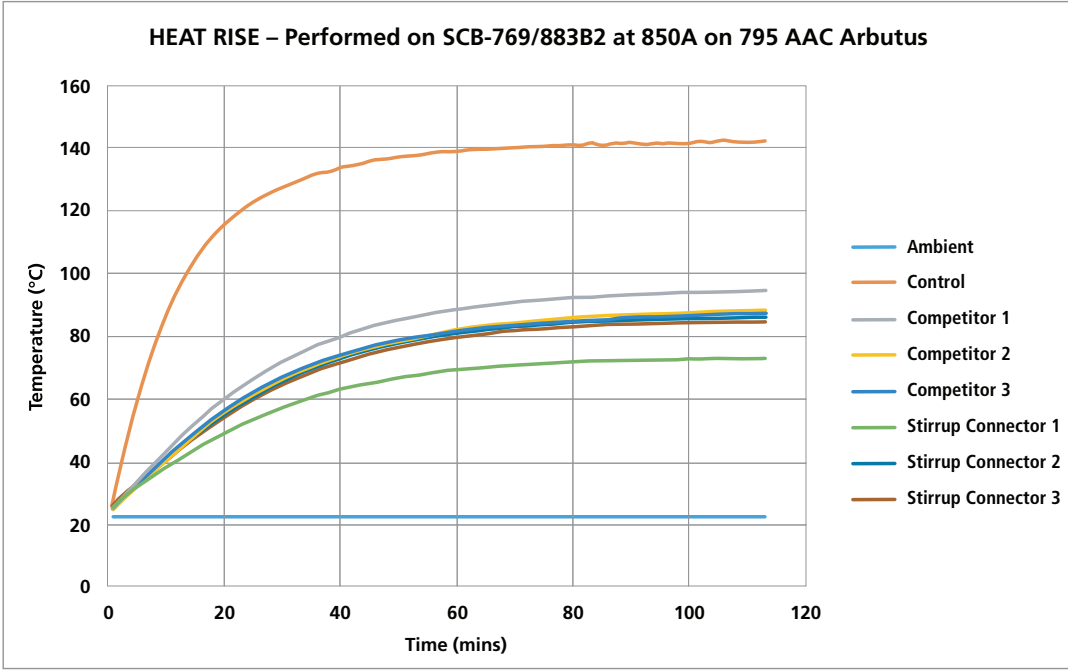
Hotline Tap Testing (cont.)

CCT per ANSI C119.4 performed on HT3-1125/563

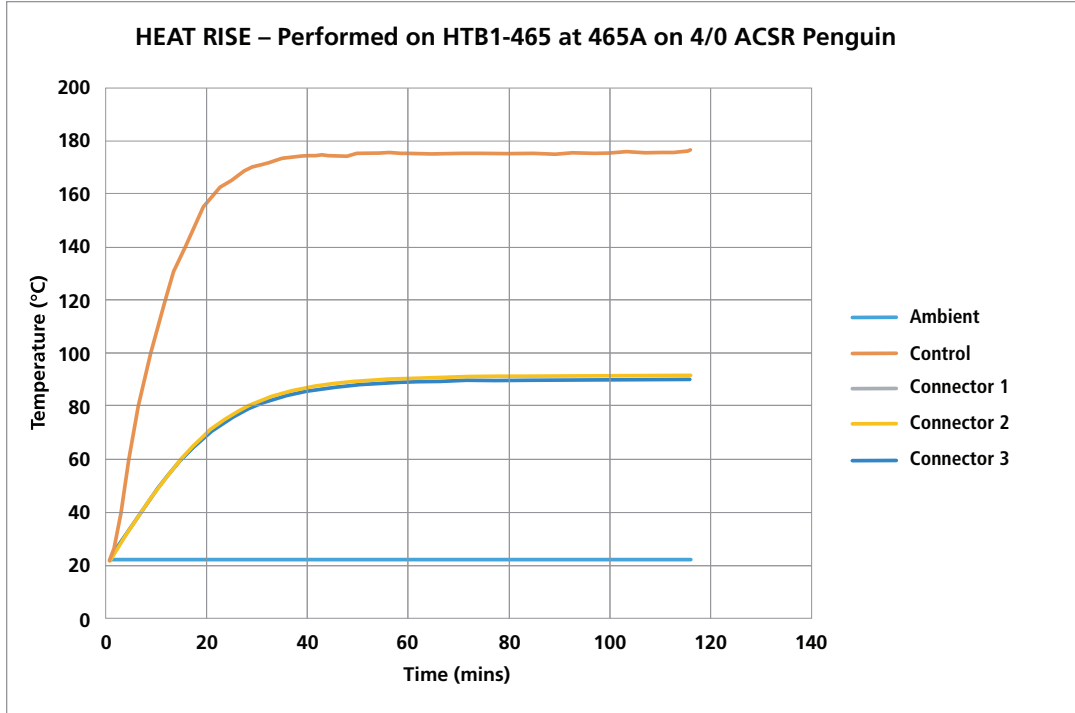


Heat Rise Testing

TAPLINK® Connectors

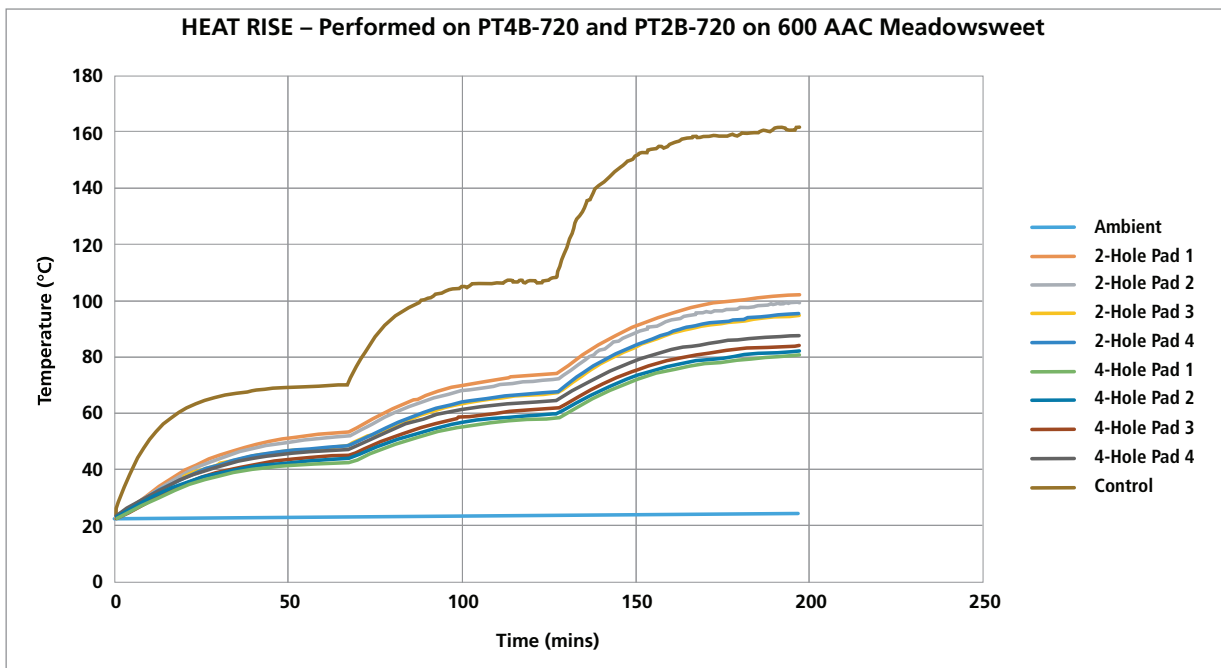
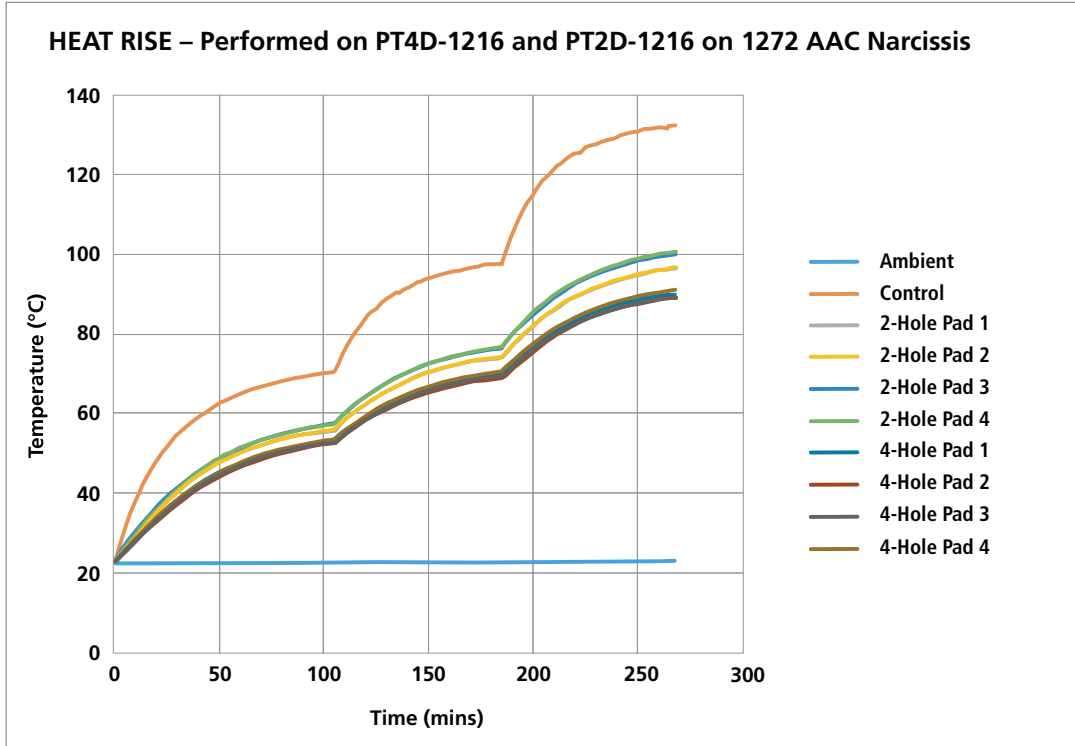


Heat Rise Testing (cont.)



Heat Rise Testing (cont.)

Per NEMA CC1



Quick Reference Guide for Wedge Tap Connectors

RUN CONDUCTOR		TAP CONDUCTOR		AFL NO.	CPI NO.
CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE		
#6	0.162" - 0.232"	#6, #4 SOLID	0.162" - 0.204"	WTA-162/162	640101
#4 #2 #1 AAC	0.232" - 0.328"	#6, #4 SOLID	0.162" - 0.204"	WTA-232/162	240100
		#4	0.232" - 0.257"	WTA-232/232	240101
		#2, #1 AAC	0.292" - 0.328"	WTA-232/292	240102
#1 ACSR 1/0 2/0 AAC	0.354" - 0.414"	#6 ACSR, #4 AAC	0.198" - 0.232"	WTA-354/198	210103
		#4 AAC, #2, #1 AAC	0.232" - 0.328"	WTA-354/232	210105
		#1 ACSR, 1/0, 2/0 AAC	0.354" - 0.414"	WTA-354/354	210106
2/0 ACSR 3/0	0.447" - 0.502"	#6 ACSR, #4 AAC	0.198" - 0.232"	WTA-447/198	230107
		#4, #2 AAC	0.232" - 0.292"	WTA-447/232	230108
		#2 AAC, #1	0.292" - 0.354"	WTA-447/292	230109
		#1 ACSR, 1/0, 2/0 AAC	0.354" - 0.414"	WTA-447/354	230110
		2/0 ACSR, 3/0	0.447" - 0.502"	WTA-447/447	230111
3/0 ACSR 4/0 250 AAC	0.502" - 0.574"	#6 ACSR, #4 AAC	0.198" - 0.232"	WTA-502/198	264111
		#4 ACSR, #2, #1 AAC	0.250" - 0.328"	WTA-502/250	264112
		#1 ACSR, 1/0, 2/0 AAC	0.354" - 0.414"	WTA-502/354	264113
		2/0 ACSR, 3/0	0.447" - 0.502"	WTA-502/447	264114
		4/0, 250 AAC	0.522" - 0.574"	WTA-502/522	264115
266.8 ACSR 300 MCM 336.4 AAC 336.4 ACSR 18/1 350 MCM	0.609" - 0.684"	#6, #4 AAC	0.162" - 0.232"	WTA-609/162	350117
		#4	0.232" - 0.257"	WTA-609/232	350118
		#2, #1 AAC	0.292" - 0.328"	WTA-609/292	350119
		#1, 1/0 AAC	0.328" - 0.368"	WTA-609/328	350120
		1/0 ACSR, 2/0	0.398" - 0.447"	WTA-609/398	350121
		2/0 ACSR, 3/0	0.447" - 0.502"	WTA-609/447	350122
		4/0, 250	0.522" - 0.574"	WTA-609/522	350123
		266.8 -19 AAC, 300 AAC, 266.8 ACSR	0.592" - 0.642"	WTA-609/592	350124
		300 ACSR 26/7, 350, 336.4 18/1	0.665" - 0.684"	WTA-609/665	350125
336.4 350 MCM 397 ACSR 18/1	0.666" - 0.743"	#6, #4	0.162" - 0.257"	WTB-666/162	336200
		#4 ACSR, #2, 1/0 AAC	0.257" - 0.368"	WTB-666/257	336104
		1/0, 2/0, 3/0	0.368" - 0.502"	WTB-666/368	336012
		4/0 ACSR, 266.8 AAC	0.522" - 0.592"	WTB-666/522	336866
		266.8 ACSR 36/7, 336.4, 397.5	0.642" - 0.806"	WTB-666/642	336718

continued
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Quick Reference Guide for Wedge Tap Connectors (cont.)

RUN CONDUCTOR		TAP CONDUCTOR		AFL NO.	CPI NO.
CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE		
397 ACSR 24/7 450 MCM 477 500 MCM 556.5 AAC	0.769" - 0.858"	#6 AAC, #4, #2	0.184" - 0.316"	WTB-769/184	477057
		#2, 1/0	0.292" - 0.398"	WTB-769/292	477962
		1/0 ACSR, 2/0, 3/0 AAC	0.398" - 0.464"	WTB-769/398	477853
		3/0 ACSR, 4/0, 250, 266.8, 300 AAC	0.502" - 0.628"	WTB-769/502	477724
		266.8 ACSR 36/7, 300 AAC, 336.4, 397.5 ACSR 24/7	0.628" - 0.772"	WTB-769/628	477633
		336.4 ACSR 26/7, 397, 477, 500 MCM, 556 AAC	0.720" - 0.858"	WTB-769/720	477434
477 ACSR 26/7 556 600 MCM 636 ACSR 18/1 605 ACSR	0.856" - 0.953"	#6, #4, #2	0.162" - 0.316"	WTB-856/162	556956
		#2, #1, 1/0	0.292" - 0.398"	WTB-856/292	556892
		1/0, 2/0, 3/0, 4/0 AAC	0.368" - 0.522"	WTB-856/368	556783
		4/0, 250, 266.8, 300 MCM, 336 AAC, 350 MCM	0.522" - 0.680"	WTB-856/522	556638
		350 MCM, 336.4, 397.5, 477 AAC	0.680" - 0.806"	WTB-856/680	556504
		397 ACSR 30/7, 477, 500 MCM, 556.5, 636 AAC	0.795" - 0.918"	WTB-856/795	556294
		556.5 ACSR 24/7, 636 AAC, 636 ACSR 18/1, 605	0.914" - 0.952"	WTB-856/914	556294-1
636 ACSR 715 750 MCM 795 900 MCM	0.973" - 1.108"	#6, #4, #2 AAC	0.162" - 0.292"	WTC-973/162	795454
		#2 ACSR, #1, 1/0, 2/0 AAC	0.316" - 0.414"	WTC-973/316	795360
		2/0 ACSR, 3/0, 4/0, 250 AAC	0.447" - 0.574"	WTC-973/447	795218
		266.8, 300 MCM, 350 MCM, 336.4 ACSR 18/1	0.586" - 0.684"	WTC-973/586	795050
		336.4 ACSR 26/7, 450 MCM, 500 MCM, 477, 556.5 AAC	0.720" - 0.858"	WTC-973/720	795920
		477 ACSR 30/7, 556.5 ACSR, 600 MCM, 605 MCM, 636 ACSR 18/1, 715.5 AAC	0.879" - 0.975"	WTC-973/879	795730
		636 ACSR 26/7, 750 MCM, 715, 795, 900 MCM	0.991" - 1.108"	WTC-973/991	795594
954 900 ACSR 1000 MCM 1113 AAC 1033.5 AAC	1.124" - 1.196"	#6, #4, #2 AAC	0.162" - 0.292"	WTC-1124/162	954420
		#2 ACSR, #1, 1/0, 2/0 AAC	0.316" - 0.414"	WTC-1124/316	954320
		2/0 ACSR, 3/0, 4/0, 250 AAC	0.447" - 0.574"	WTC-1124/447	954175
		266.8, 300 MCM, 350 MCM, 366.4 ACSR 18/1	0.586" - 0.684"	WTC-1124/586	954030
		366.4 ACSR 26/7, 450 MCM, 397.5, 477, 500 MCM, 556.5 AAC	0.720" - 0.856"	WTC-1124/720	954870
		477 ACSR 26/7, 556, 605, 715 AAC, 636 ACSR 26/7	0.858" - 0.991"	WTC-1124/858	954660
		666.6 ACSR 24/7, 715 ACSR, 795, 900 AAC	1.000" - 1.093"	WTC-1124/1000	954484
		795 ACSR 26/7, 954, 1113 MCM, 900 ACSR, 1000 MCM, 1033.5 AAC	1.107" - 1.196"	WTC-1124/1107	954390

continued
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Quick Reference Guide for Wedge Tap Connectors (cont.)

RUN CONDUCTOR		TAP CONDUCTOR		AFL NO.	CPI NO.
CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE	CONDUCTOR SIZE	CONDUCTOR DIAMETER RANGE		
1033.5 ACSR 1113 ACSR 1192 AAC 1272 AAC	1.212" - 1.300"	#6, #4, #2 AAC	0.162" - 0.292"	WTC-1212/162	103370
		#2 ACSR, #1, 1/0, 2/0 AAC	0.316" - 0.414"	WTC-1212/316	103260
		2/0 ACSR, 3/0, 4/0 AAC	0.447" - 0.522"	WTC-1212/447	103110
		4/0 ACSR, 250 MCM, 266.8, 300 MCM	0.563" - 0.642"	WTC-1212/563	103945
		350 MCM, 336.4, 397.5, 450 MCM	0.665" - 0.783"	WTC-1212/665	103780
		397.5 ACSR 30/7, 477, 500 MCM, 556 AAC, 600 MCM	0.795" - 0.893"	WTC-1212/795	119793
		556.5 ACSR 24/7, 636, 715 ACSR 24/7, 750 MCM, 795 AAC	0.914" - 1.036"	WTC-1212/914	103680
		795 ACSR 36/1, 900, 954 AAC, 1000 AAC, 1113 MCM	1.040" - 1.151"	WTC-1212/1040	103580
		900 ACSR 45/7, 1033.5, 954 ACSR, 1192.5 AAC	1.162" - 1.258"	WTC-1212/1162	103380
		1113 ACSR, 1272 AAC	1.212" - 1.300"	WTC-1212/1212	119250
1272 ACSR 45/7 1272 ACSR 54/19 1351.5 ACSR 54/19 1431 AAC 61 1590 AAC 61 1590 ACSR 45/7	1.345" - 1.504"	#2 ACSR, #1, 1/0, 2/0, 4/0 AAC, 3/0 ACSR	0.316"-0.550"	WTD-1345/316	135002, 159400
		250 AAC, 336.4 ACSR 26/7, 397 AAC	0.551"-0.731"	WTD-1345/551	159336
		336.4 ACSR 30/7, 450 MCM, 500 MCM, 477, 556.5 AAC, 477 ACSR 26/7	0.732"-0.861"	WTD-1345/732	135397
		556.5 ACSR 30/7, 605 ACSR 26/7, 715 AAC	0.862"-0.979"	WTD-1345/862	—
		636 ACSR 18/1, 795 AAC, 795 ACSR 36/1	0.980" - 1.087"	WTD-1345/980	159795, 135636, 159796
		795 ACSR 54/7, 954 ACSR 45/7, 900, 1000, 1033.5 AAC	1.088" - 1.185"	WTD-1345/1088	127954
		954 ACSR 54/7, 1113 ACSR 45/7, 1113, 1192.5 AAC	1.186" - 1.275"	WTD-1345/1186	—
		1272 ACSR 45/7, 1272, 1351.5 AAC	1.276" - 1.356"	WTD-1345/1276	127127, 127143, 159127
		1272 ACSR 54/19, 1431 AAC, 1431 ACSR 45/7	1.357" - 1.431"	WTD-1345/1357	135135, 127128
		1590 AAC, 1590 ACSR 45/7	1.432" - 1.504"	WTD-1345/1432	159159

continued
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Conductor Specifications—ACSR

CODE NAME	SIZE	STRANDING	DIAMETER (INCHES)				WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY ¹	SAG10® CHART NO.
			INDIVIDUAL WIRES		STEEL CORE	COMPLETE CABLE			DC @ 20°C	AC @ 75°C		
			AL	ST								
Turkey	6	6/1	0.066	0.066	0.066	0.198	36	1,190	0.641	0.806	105	1-1023
Swan	4	6/1	0.083	0.083	0.083	0.250	57	1,860	0.403	0.515	140	1-1023
Swanate	4	7/1	0.077	0.103	0.103	0.257	67	2,360	0.399	0.519	140	1-670
Sparrow	2	6/1	0.105	0.105	0.105	0.316	91	2,850	0.254	0.332	184	1-1023
Sparate	2	7/1	0.097	0.130	0.130	0.325	107	3,460	0.251	0.338	184	1-670
Robin	1	6/1	0.118	0.118	0.118	0.354	115	3,550	0.201	0.268	212	1-938
Raven	1/0	6/1	0.133	0.133	0.133	0.398	145	4,380	0.159	0.217	242	1-938
Quail	2/0	6/1	0.149	0.149	0.149	0.447	183	5,310	0.126	0.176	276	1-938
Pigeon	3/0	6/1	0.167	0.167	0.167	0.502	231	6,620	0.100	0.144	315	1-938
Penguin	4/0	6/1	0.188	0.188	0.188	0.563	291	8,350	0.080	0.119	357	1-938
Waxwing	266.8	18/1	0.122	0.122	0.122	0.609	289	6,880	0.064	0.079	449	1-844
Partridge	266.8	26/7	0.101	0.079	0.236	0.642	367	11,300	0.064	0.078	475	1-782
Ostrich	300	26/7	0.107	0.084	0.251	0.680	412	12,700	0.057	0.069	492	1-782
Merlin	336.4	18/1	0.137	0.137	0.137	0.684	365	8,680	0.051	0.063	519	1-844
Linnet	336.4	26/7	0.114	0.089	0.265	0.720	462	14,100	0.051	0.062	529	1-782
Oriole	336.4	30/7	0.106	0.106	0.318	0.741	526	17,300	0.050	0.061	535	1-773
Chickadee	397.5	18/1	0.149	0.149	0.149	0.743	431	9,940	0.043	0.053	576	1-844
Brant	397.5	24/7	0.129	0.086	0.257	0.772	511	14,600	0.043	0.053	584	1-889
Ibis	397.5	26/7	0.124	0.096	0.289	0.783	546	16,300	0.043	0.052	587	1-782
Lark	397.5	30/7	0.115	0.115	0.345	0.806	622	20,300	0.043	0.052	594	1-773
Pelican	477	18/1	0.163	0.163	0.163	0.814	517	11,800	0.036	0.044	646	1-844
Flicker	477	24/7	0.141	0.094	0.282	0.846	614	17,200	0.036	0.044	655	1-889
Hawk	477	26/7	0.135	0.105	0.316	0.858	656	19,500	0.036	0.044	659	1-782
Hen	477	30/7	0.126	0.126	0.378	0.883	746	23,800	0.035	0.043	666	1-773
Osprey	556.5	18/1	0.176	0.176	0.176	0.879	603	13,700	0.031	0.038	711	1-844
Parakeet	556.5	24/7	0.152	0.102	0.305	0.914	716	19,800	0.031	0.038	721	1-889
Dove	556.5	26/7	0.146	0.114	0.341	0.927	765	22,600	0.031	0.038	726	1-782
Eagle	556.5	30/7	0.136	0.136	0.409	0.953	871	27,800	0.030	0.037	734	1-773
Peacock	605	24/7	0.159	0.106	0.318	0.953	779	21,600	0.028	0.035	760	1-889
Squab	605	26/7	0.153	0.119	0.356	0.966	832	24,300	0.028	0.035	765	1-782
Wood Duck	605	30/7	0.142	0.142	0.426	0.994	946	28,900	0.028	0.034	774	—
Teal	605	30/19	0.142	0.085	0.426	0.994	939	30,000	0.028	0.034	773	1-757
Kingbird	636	18/1	0.188	0.188	0.188	0.940	690	15,700	0.027	0.033	773	1-844
Swift	636	36/1	0.133	0.133	0.133	0.930	643	13,690	0.027	0.033	769	1-898
Rook	636	24/7	0.163	0.109	0.326	0.977	818	22,000	0.027	0.033	784	1-889
Grosbeak	636	26/7	0.156	0.122	0.365	0.991	874	25,200	0.027	0.033	789	1-782

continued


TAPLINK® Wedge Connectors

Conductor Specifications—ACSR (cont.)

CODE NAME	SIZE	STRANDING	DIAMETER (INCHES)				WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY ¹	SAG10® CHART NO.
			INDIVIDUAL WIRES		STEEL CORE	COMPLETE CABLE			DC @ 20°C	AC @ 75°C		
			AL	ST								
Scoter	636	30/7	0.146	0.146	0.437	1.019	995	30,400	0.026	0.033	798	—
Egret	636	30/19	0.146	0.087	0.437	1.019	987	31,500	0.027	0.033	798	1-757
Flamingo	666.6	24/7	0.167	0.111	0.333	1.000	858	23,700	0.026	0.032	807	1-889
Gannet	666.6	26/7	0.160	0.125	0.374	1.014	916	26,400	0.026	0.031	812	1-782
Stilt	715.5	24/7	0.173	0.115	0.345	1.036	920	25,500	0.024	0.029	844	1-889
Starling	715.5	26/7	0.166	0.129	0.387	1.051	984	28,400	0.024	0.029	849	1-537
Redwing	715.5	30/19	0.154	0.093	0.463	1.081	1,110	34,600	0.024	0.029	859	1-757
Coot	795	36/1	0.149	0.149	0.149	1.040	804	16,710	0.022	0.027	884	1-898
Drake	795	26/7	0.175	0.136	0.408	1.107	1,093	31,500	0.021	0.026	907	1-537
Tern	795	45/7	0.133	0.089	0.266	1.063	895	22,100	0.022	0.027	887	1-955
Condor	795	54/7	0.121	0.121	0.364	1.092	1,023	28,200	0.022	0.027	889	1-838
Mallard	795	30/19	0.163	0.098	0.488	1.140	1,233	38,400	0.021	0.026	918	1-757
Ruddy	900	45/7	0.141	0.094	0.283	1.131	1,013	24,400	0.019	0.024	958	1-955
Canary	900	54/7	0.129	0.129	0.387	1.162	1,158	31,900	0.019	0.024	961	1-838
Rail	954	45/7	0.146	0.097	0.291	1.165	1,074	25,900	0.018	0.023	993	1-955
Cardinal	954	54/7	0.133	0.133	0.399	1.196	1,227	33,800	0.018	0.023	996	1-838
Ortolan	1033.5	45/7	0.152	0.101	0.303	1.212	1,163	27,700	0.017	0.021	1043	1-957
Curlew	1033.5	54/7	0.138	0.138	0.415	1.245	1,330	36,600	0.017	0.021	1047	1-838
Bluejay	1113	45/7	0.157	0.105	0.315	1.258	1,253	29,800	0.016	0.019	1092	1-957
Finch	1113	54/19	0.144	0.086	0.431	1.292	1,429	39,100	0.015	0.020	1093	1-1009
Bunting	1192.5	45/7	0.163	0.109	0.326	1.302	1,342	32,000	0.014	0.018	1139	1-957
Grackle	1192.5	54/19	0.149	0.089	0.446	1.337	1,531	41,900	0.014	0.018	1140	1-1009
Bittern	1272	45/7	0.168	0.112	0.336	1.345	1,432	34,100	0.014	0.017	1184	1-957
Pheasant	1272	54/19	0.154	0.092	0.461	1.381	1,633	34,600	0.014	0.017	1187	1-1009
Dipper	1351.5	45/7	0.173	0.116	0.347	1.386	1,521	36,200	0.013	0.016	1229	1-957
Martin	1351.5	54/19	0.158	0.095	0.475	1.424	1,735	46,300	0.013	0.016	1232	1-1009
Bobolink	1431	45/7	0.178	0.119	0.357	1.427	1,611	38,300	0.012	0.015	1272	1-957
Lapwing	1590	45/7	0.188	0.125	0.376	1.504	1,790	42,200	0.011	0.014	1354	1-1019
Falcon	1590	54/19	0.172	0.103	0.515	1.544	2,041	54,500	0.011	0.014	1359	1-1009
Chukar	1780	84/19	0.146	0.087	0.437	1.602	2,071	51,000	0.010	0.013	1453	1-1020
Bluebird	2156	84/19	0.160	0.096	0.481	1.762	2,509	60,300	0.008	0.011	1623	1-020
Kiwi	2167	72/7	0.174	0.116	0.347	1.735	2,300	49,800	0.008	0.011	1607	1-1053

Note:
Conductor temperature at 75°, ambient temperature 25°C, emissivity 0.5, wind 2 ft/sec, in sun.

continued
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Conductor Specifications—AAC

CODE NAME	SIZE	STRANDING	DIAMETER (INCHES)	WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY ¹	SAG10® CHART NO.
	KCMIL		AL			COMPLETE CABLE	LBS		
Peachbell	6	7	0.184	25	563	0.658	0.805	103	1-918
Rose	4	7	0.232	39	881	0.414	0.506	138	1-918
Iris	2	7	0.292	62	1,350	0.260	0.318	185	1-918
Pansy	1	7	0.328	78	1,640	0.207	0.252	214	1-918
Poppy	1/0	7	0.368	99	1,990	0.164	0.200	247	1-918
Aster	2/0	7	0.414	125	2,510	0.130	0.159	286	1-918
Phlox	3/0	7	0.464	157	3,040	0.103	0.126	331	1-918
Oxlip	4/0	7	0.522	198	3,830	0.082	0.100	383	1-918
Sneezewort	250.0	7	0.567	234	4,520	0.069	0.085	425	1-918
Valerian	250.0	19	0.574	234	4,660	0.069	0.085	426	1-945
Daisy	266.8	7	0.586	250	4,830	0.065	0.079	443	1-918
Laurel	266.8	19	0.592	250	4,970	0.065	0.079	444	1-945
Peony	300.0	19	0.628	281	5,480	0.058	0.071	478	1-945
Tulip	336.4	19	0.665	315	6,150	0.051	0.063	513	1-945
Daffodil	350.0	19	0.679	328	6,390	0.049	0.061	526	1-945
Canna	397.5	19	0.723	373	7,110	0.044	0.053	570	1-945
Goldentuft	450.0	19	0.769	422	7,890	0.038	0.043	616	1-945
Cosmos	477.0	19	0.792	447	8,360	0.036	0.045	639	1-945
Syringa	477.0	37	0.795	447	8,690	0.036	0.045	639	1-1049
Zinnia	500.0	19	0.811	469	8,760	0.035	0.043	658	1-945
Hyacinth	500.0	37	0.814	469	9,110	0.035	0.043	658	1-1049
Dahlia	556.5	19	0.856	522	9,750	0.031	0.038	703	1-945
Mistletoe	556.5	37	0.858	522	9,940	0.031	0.038	704	1-1049
Meadowsweet	600.0	37	0.891	562	10,700	0.023	0.036	738	1-1049
Orchid	636.0	37	0.918	596	11,400	0.027	0.036	765	1-1049
Heuchera	650.0	37	0.928	609	11,600	0.027	0.033	775	1-1049
Verbena	700.0	37	0.963	656	12,500	0.025	0.031	812	1-1049
Flag	700.0	61	0.964	656	12,900	0.025	0.031	812	1-1010
Violet	715.5	37	0.973	671	12,800	0.024	0.030	823	1-1049
Nasturtium	715.5	61	0.975	671	13,100	0.024	0.030	823	1-1010
Petunia	750.0	37	0.997	703	13,100	0.023	0.029	847	1-1049
Cattail	750.0	61	0.998	703	13,500	0.023	0.029	847	1-1010
Arbutus	795.0	37	1.026	745	13,900	0.022	0.027	878	1-1049
Lilac	795.0	61	1.027	745	14,300	0.022	0.027	879	1-1010
Cockscomb	900.0	37	1.092	844	15,400	0.019	0.024	948	1-1049
Snapdragon	900.0	61	1.093	844	15,900	0.019	0.024	948	1-1010

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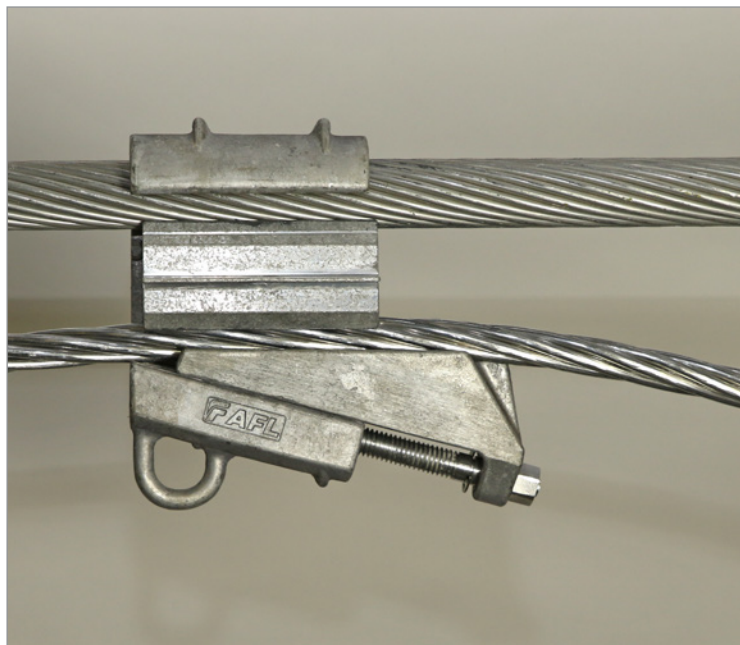
Conductor Specifications—AAC (cont.)

CODE NAME	SIZE	STRANDING	DIAMETER (INCHES)	WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY ¹	SAG10® CHART NO.
	KCMIL		AL			COMPLETE CABLE	LBS		
Magnolia	954.0	37	1.124	894	16,400	0.018	0.023	982	1-1049
Goldenrod	954.0	61	1.125	894	16,900	0.018	0.023	983	1-1010
Hawkweed	1000.0	37	1.151	937	17,200	0.017	0.022	1,010	1-1049
Camellia	1000.0	61	1.152	937	17,700	0.071	0.022	1,011	1-1010
Bluebell	1033.5	37	1.170	969	17,700	0.017	0.021	1,031	1-1049
Larkspur	1033.5	61	1.171	969	18,300	0.017	0.021	1,032	1-1010
Marigold	1113.0	61	1.216	1,043	19,700	0.016	0.020	1,079	1-1010
Hawthorn	1192.5	61	1.258	1,118	21,100	0.015	0.018	1,124	1-1010
Narcissus	1272.0	61	1.300	1,192	22,000	0.014	0.017	1,169	1-1010
Columbine	1351.5	61	1.340	1,267	23,400	0.013	0.016	1,212	1-1010
Carnation	1431.0	61	1.378	1,341	24,300	0.012	0.016	1,253	1-1010
Gladiolus	1510.5	61	1.416	1,416	25,600	0.014	0.015	1,294	1-1010
Coreopsis	1590.0	61	1.453	1,490	27,000	0.011	0.014	1,333	1-1010
Jessamine	1750.0	61	1.524	1,640	29,700	0.010	0.013	1,408	1-1010
Cowslip	2000.0	91	1.631	1,875	34,200	0.009	0.012	1,518	1-1157
Sagebrush	2250.0	91	1.730	2,130	37,500	0.008	0.011	1,612	1-1157
Lupine	2500.0	91	1.823	2,366	41,900	0.007	0.010	1,706	1-1157
Bitterroot	2750.0	91	1.912	2,603	46,100	0.006	0.009	1,793	1-1157
Trillium	3000.0	127	1.998	2,839	50,300	0.006	0.008	1,874	1-1032

Note:
Conductor temperature at 75°, ambient temperature 25°C, emissivity 0.5, wind 2 ft/sec, in sun.

INSTALLATION INSTRUCTIONS

TAPLINK® WEDGE TAP CONNECTORS



NOTE:

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TAPLINK® Pad Tap Connectors—Glove Application

Required Equipment and Tooling

- 5/8" socket or wrench (WTA body size)
- 3/4" socket or wrench (all other wedge sizes)
- Insulated gloves and appropriate safety equipment

Installation Instructions

1. Prior to installing the wedge connector, ensure that you have the correct tooling and safety equipment required and the appropriate connector for your cable sizes. All connectors come in bags labeled with their corresponding conductor sizes. Ensure that the conductor is clean and stripped of any insulation at the location of the connection. AFL recommends wire brushing the conductor where the connector will be installed to remove oxidation.

NOTE: For Aluminum-to-Copper connections, AFL recommends installing Aluminum conductors above Copper conductors to prevent corrosion.



2. Remove the wedge connector from the polybag and fully open the position of the wedge by unscrewing the bolt.

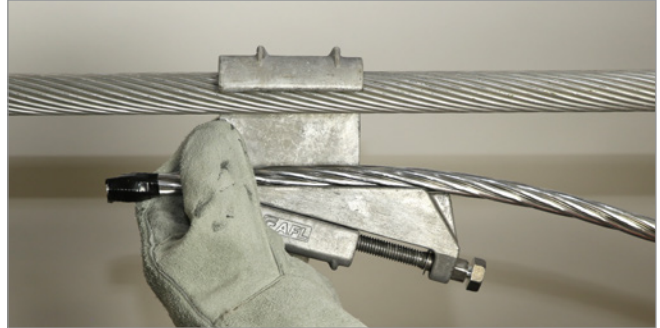


3. Place the wedge connector on the main conductor so that the conductor sits flush in the C-body.



TAPLINK® Pad Tap Connectors—Glove Application (cont.)

4. Seat the Tap wire in the groove of the wedge.



NOTE: Each interface is stamped with “Tap” and “Run” as well as the most common conductor size in the range. Ensure that the interface is in the correct orientation prior to installing.



5. Slide the interface between the conductors on the inside of the C-body.



TAPLINK® Pad Tap Connectors—Glove Application (cont.)

6. Tighten the bolt onto the breakaway head. The head will shear at approximately 12 ft-lbs of torque.



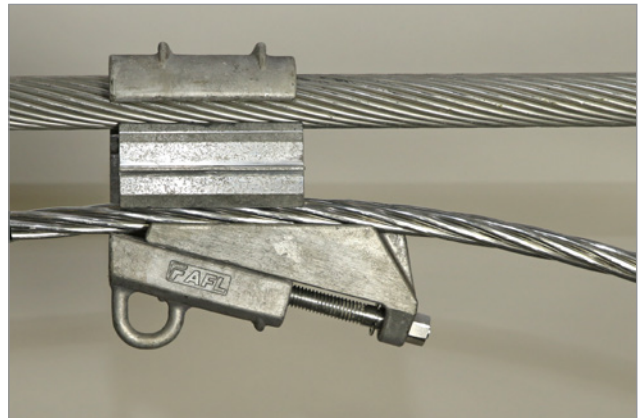
CORRECT



INCORRECT



Breakaway bolt head sheared off.



Wedge Tap Connector installed on conductor.

TAPLINK® Pad Tap Connectors—Glove Application (cont.)

Uninstall and Re-use Instructions

1. The connector can be removed by simply backing out the shear-head bolt. The retaining ring will drive out the wedge making it possible to slide out the interface and remove the connector from the conductor.
2. If the connector is to be reinstalled, ensure that the connector is clean and apply new compound to all grooves that will contact the conductor.
3. Remove the retaining ring with a flat head screw driver or a pair of pliers to replace the existing bolt with a new breakaway bolt. Re-assemble the retaining ring with the new bolt by pressing it into the groove.



4. AFL recommends using a new bolt for reinstallation. See Tables 1 and 2 below. However, if a new bolt is unavailable, the existing bolt can be reinstalled using the corresponding torque values mentioned above.

Table 1

AFL NO.	STANDARD PACK	THREAD SIZE	BREAKAWAY HEAD SIZE	SECONDARY HEAD SIZE
D12449-1PK	25	3/8-16	5/8"	9/16"
D12449-2PK	10	7/16-14	3/4"	9/16"

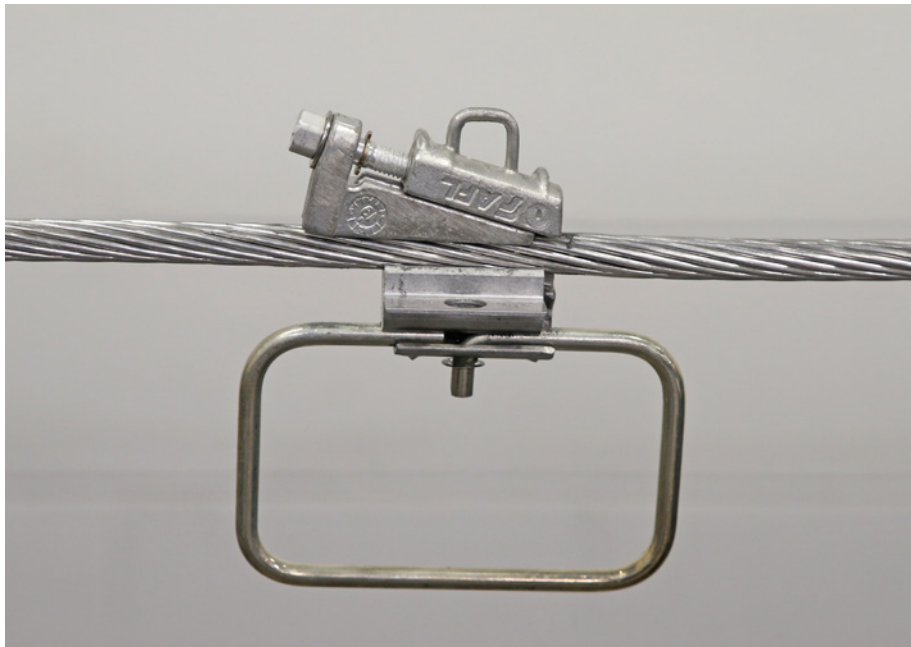
Table 2

FOR AFL NO. PREFIX	ORDER BOLT NO.
WTA	D12449-1PK
WTB	D12449-2PK
WTC	D12449-2PK
WTD	D12449-2PK
SCA	D12449-1PK
SCB	D12449-2PK
PT2B	D12449-2PK
PT4B	D12449-2PK
PT2D	D12449-2PK
PT4D	D12449-2PK

5. Follow the installation instructions above for re-installation of the connector.

INSTALLATION INSTRUCTIONS

TAPLINK® WEDGE STIRRUP CONNECTORS



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TAPLINK® Pad Tap Connectors—Glove Application

Required Equipment and Tooling

- 5/8" socket or wrench (SCA body size)
- 3/4" socket or wrench (SCB body size)
- Insulated gloves and appropriate safety equipment

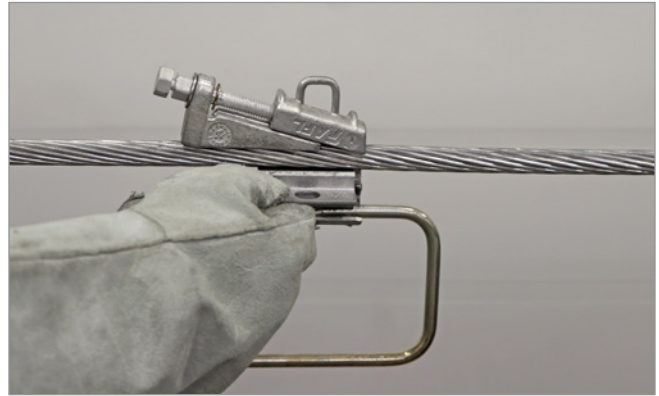
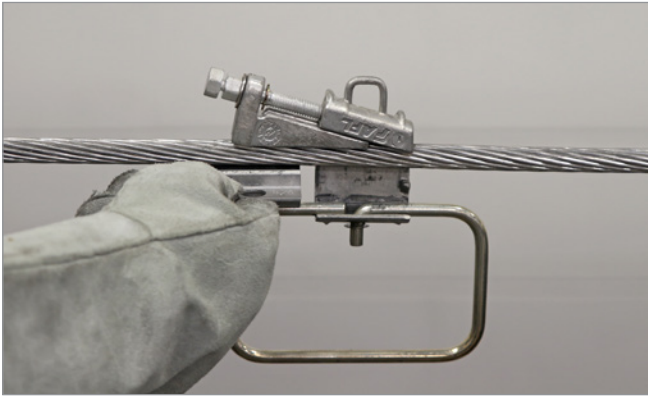
Installation Instructions

1. Prior to installing the wedge stirrup connector, ensure that you have the correct tooling and safety equipment required and the appropriate connector for your cable sizes. All connectors come in bags labeled with their corresponding conductor sizes. Ensure that the conductor is clean and stripped of any insulation at the location of the connection. AFL recommends wire brushing the conductor where the connector will be installed to remove oxidation.
2. Remove the wedge stirrup connector from the polybag and fully open the position of the wedge by unscrewing the bolt.
3. Place the wedge stirrup connector on the main conductor so that the conductor sits flush in the groove of the wedge.



TAPLINK® Pad Tap Connectors—Glove Application (cont.)

4. Slide the interface between the conductor and copper bail on the inside of the C-body.



NOTE: Each interface is stamped with the smallest and largest conductor size in the range. Ensure that the interface is in the correct orientation prior to installing.



5. Tighten the bolt onto the breakaway head. The head will shear at approximately 12 ft-lbs of torque.

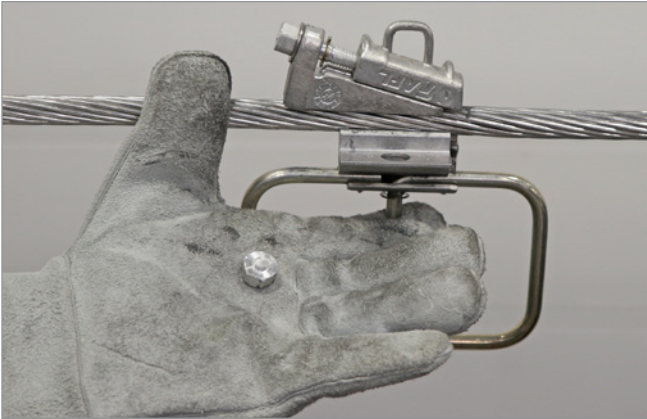


CORRECT

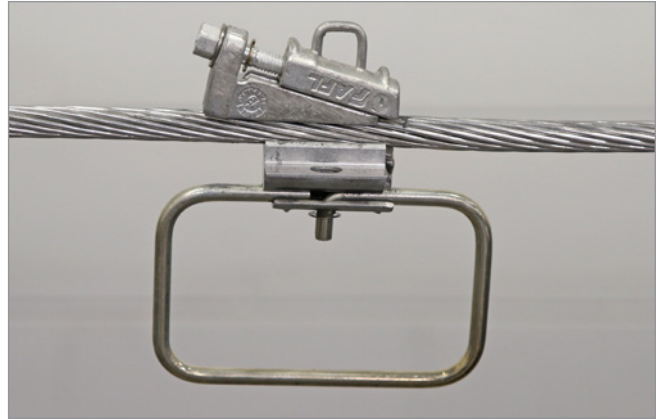


INCORRECT

TAPLINK® Pad Tap Connectors—Glove Application (cont.)



Breakaway bolt head sheared off.



Wedge Stirrup Connector installed on conductor.

Uninstall and Re-use Instructions

1. The connector can be removed by simply backing out the shear-head bolt. The retaining ring will drive out the wedge making it possible to slide out the interface and remove the connector from the conductor.
2. If the connector is to be reinstalled, ensure that the connector is clean and apply new compound to all grooves that will contact the conductor.
3. Remove the retaining ring with a flat head screw driver or a pair of pliers to replace the existing bolt with a new breakaway bolt. Re-assemble the retaining ring with the new bolt by pressing it into the groove.



TAPLINK® Pad Tap Connectors—Glove Application (cont.)

- AFL recommends using a new bolt for reinstallation. See Tables 1 and 2 below. However, if a new bolt is unavailable, the existing bolt can be reinstalled using the corresponding torque values mentioned above.

Table 1

AFL NO.	STANDARD PACK	THREAD SIZE	BREAKAWAY HEAD SIZE	SECONDARY HEAD SIZE
D12449-1PK	25	3/8-16	5/8"	9/16"
D12449-2PK	10	7/16-14	3/4"	9/16"

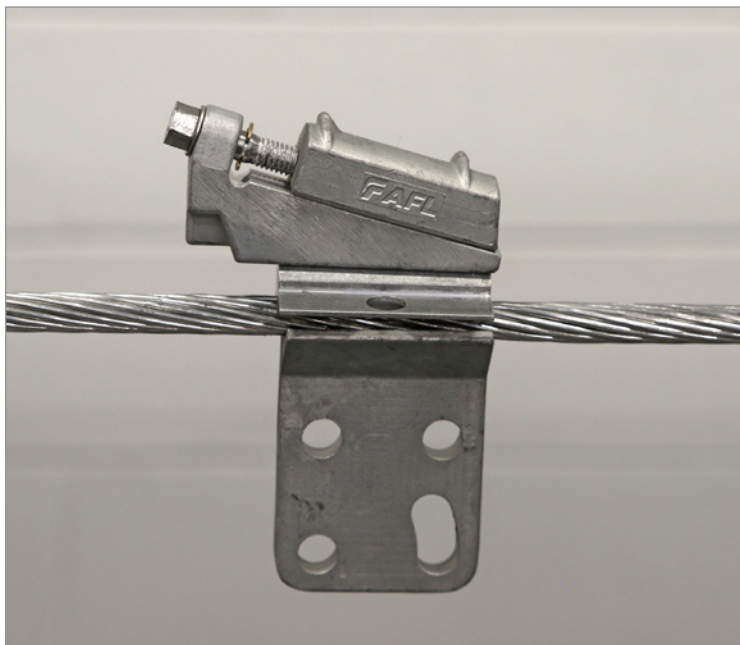
Table 2

FOR AFL NO. PREFIX	ORDER BOLT NO.
WTA	D12449-1PK
WTB	D12449-2PK
WTC	D12449-2PK
WTD	D12449-2PK
SCA	D12449-1PK
SCB	D12449-2PK
PT2B	D12449-2PK
PT4B	D12449-2PK
PT2D	D12449-2PK
PT4D	D12449-2PK

- Follow the installation instructions above for re-installation of the connector.

INSTALLATION INSTRUCTIONS

TAPLINK® PAD TAP CONNECTORS



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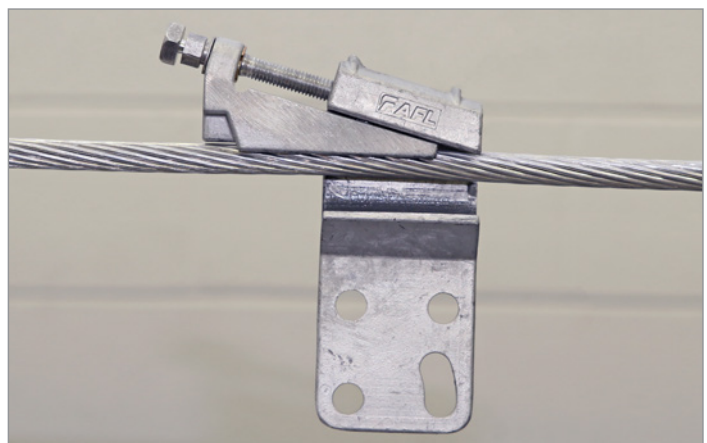
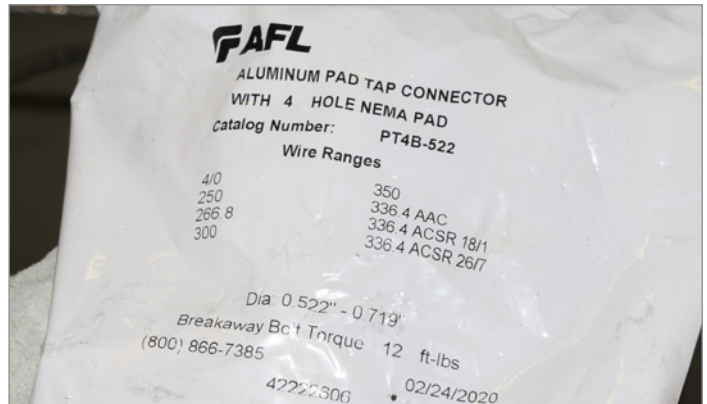
TAPLINK® Pad Tap Connectors—Glove Application

Required Equipment and Tooling

- 3/4" socket or wrench
- Insulated gloves and appropriate safety equipment

Installation Instructions

1. Prior to installing the pad tap connector, ensure that you have the correct tooling and safety equipment required and the appropriate connector for your cable sizes. All connectors come in bags labeled with their corresponding conductor sizes. Ensure that the conductor is clean and stripped of any insulation at the location of the connection. AFL recommends wire brushing the conductor where the connector will be installed to remove oxidation.
2. Remove the pad tap connector from the polybag and fully open the position of the wedge by unscrewing the bolt.
3. Place the pad tap connector on the main conductor so that the conductor sits flush in the groove of the wedge.



TAPLINK® Pad Tap Connectors—Glove Application (cont.)

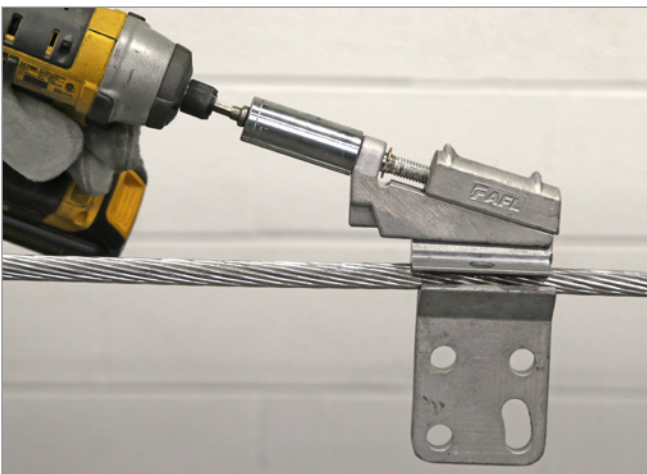
- Use one hand to lift the pad tap connector so that the conductor sits in the groove of the C-body. Using the other hand, slide the interface between the conductor and the wedge.



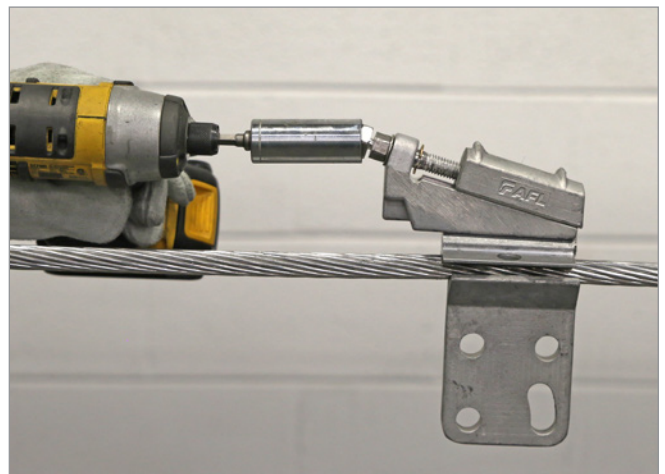
NOTE: Each interface is stamped with the smallest and largest conductor size in the range. Ensure that the interface is in the correct orientation prior to installing.



- Tighten the bolt onto the breakaway head. The head will shear at approximately 12 ft-lbs of torque.

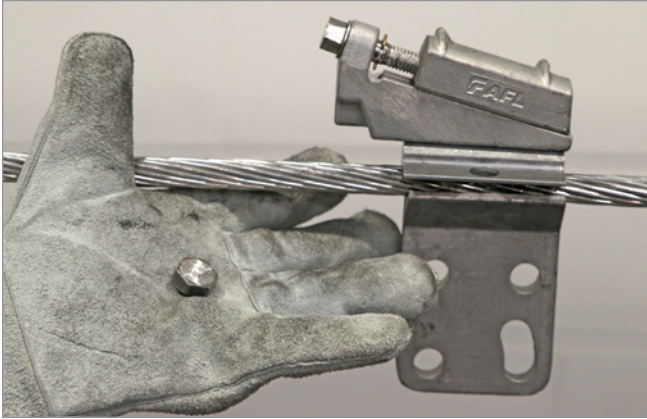


CORRECT

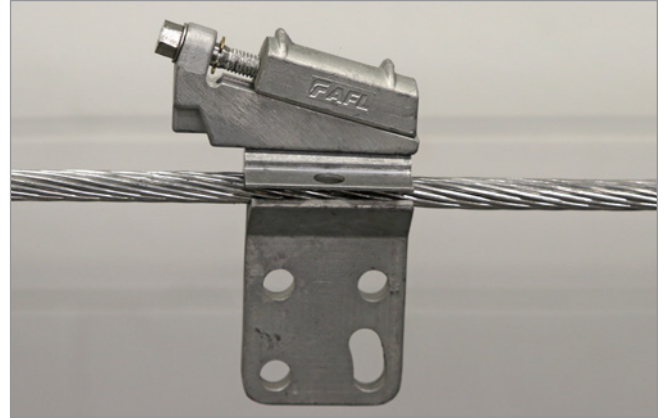


INCORRECT

TAPLINK® Pad Tap Connectors—Glove Application (cont.)



Breakaway bolt head sheared off.



Pad Tap Connector installed on conductor.

Uninstall and Re-use Instructions

1. The connector can be removed by simply backing out the shear-head bolt. The retaining ring will drive out the wedge making it possible to slide out the interface and remove the connector from the conductor.
2. If the connector is to be reinstalled, ensure that the connector is clean and apply new compound to all grooves that will contact the conductor.
3. Remove the retaining ring with a flat head screw driver or a pair of pliers to replace the existing bolt with a new breakaway bolt. Re-assemble the retaining ring with the new bolt by pressing it into the groove.





TAPLINK® Pad Tap Connectors—Glove Application (cont.)

4. AFL recommends using a new bolt for reinstallation. See Tables 1 and 2 below. However, if a new bolt is unavailable, the existing bolt can be reinstalled using the corresponding torque values mentioned above.

Table 1

AFL NO.	STANDARD PACK	THREAD SIZE	BREAKAWAY HEAD SIZE	SECONDARY HEAD SIZE
D12449-1PK	25	3/8-16	5/8"	9/16"
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Table 2

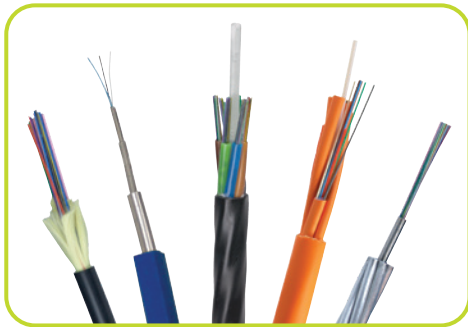
FOR AFL NO. PREFIX	ORDER BOLT NO.
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WTC	D12449-2PK
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SCB	D12449-2PK
PT2B	D12449-2PK
PT4B	D12449-2PK
PT2D	D12449-2PK
PT4D	D12449-2PK

5. Follow the installation instructions above for re-installation of the connector.

TAPLINK® Installation Instructions

Please contact your AFL Sales Representative for information about our other products or services.

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(OPGW, ADSS, Loose Tube)**



**FIBER OPTIC CABLE
ACCESSORIES**



**TRANSMISSION AND
DISTRIBUTION**



**SUBSTATION AND
NETWORK UNDERGROUND**

