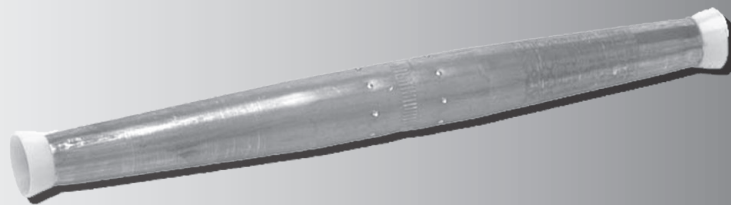




# DISTRIBUTION CONNECTORS

# SECTION DB



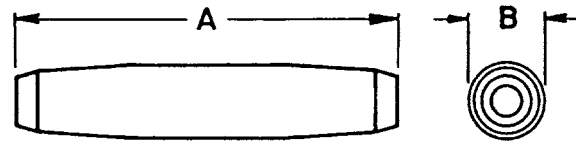
***SPLICES***  
***Aluminum Automatic***  
***Copper Automatic***  
***Aluminum Compression***  
***Copper Compression***



# OVERHEAD LINE SPLICES AUTOMATIC COPPER

COPPER
GL100

- Fastest method of splicing copper & copperweld conductor
- Inhibitor protected for optimum long term performance
- Individually bagged to seal out dirt before use
- Ratings:  
Solid Copper = 90% of Conductor RBS\*  
Stranded Copper = 80% of Conductor RBS\*  
Copperweld = 75% of Conductor RBS\*



\*RBS = Rated Breaking Strength

**Material:** **Shell** - Drawn Copper Tube  
**Jaw** - Bronze Alloy

DB  
1

## Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE			APPROXIMATE CONDUCTOR O.D.		DIMENSIONS INCHES (MM)	
	COPPER		COPPERWELD STRAND	MIN/MAX INCHES	MIN/MAX MM	A	B
	SOLID ASTM-B258	STRAND ASTM-B8					
GL110	8	-	-	.12-.13	3.1-3.3	3.4 (86)	.50 (13)
GL111+	6	-	3 #12	.16-.17	4.0-4.4	3.4 (86)	.50 (13)
GL112+	4	-	8A	.19-.20	4.9-5.2	3.5 (89)	.56 (14)
GL113	3	4 (7)	6A	.22-.23	5.7-5.9	3.5 (89)	.56 (14)
GL114	2	3 (7), 4 (3)	5A	.25-.26	6.3-6.6	4.4 (110)	.75 (19)
GL1140	2 or 3	3 (7), 4 (7)	-	.22-.26	5.7-6.6	6.5 (160)	.75 (19)
GL115+	1	2 (7)	4A	.28-.29	7.2-7.4	4.4 (110)	.75 (19)
GL116	1/0	1 (7), 2 (3)	3A	.32-.33	8.1-8.3	4.4 (110)	.75 (19)
GL117+	2/0	1/0 (7), 1 (3)	2A	.36-.37	9.1-9.3	5.5 (140)	.94 (24)
GL118+	3/0	2/0 (7)	-	.40-.41	10.2-10.5	5.5 (140)	.94 (24)
GL119+	4/0	3/0 (7)	-	.45-.46	11.5-11.8	6.9 (180)	1.2 (30)
GL120+	-	4/0 (7,19)	-	.52-.53	13.2-13.4	6.9 (180)	1.2 (30)
GL121	-	250 (19,37)	-	.57-.58	14.4-14.7	6.9 (180)	1.2 (30)
GL123	-	300 (19,37)	-	.62-.63	15.8-16.1	8.6 (220)	1.5 (38)
GL125	-	350 (19)	-	.67-.68	17.0-17.2	8.6 (220)	1.5 (38)
GL127	-	400 (19,37)	-	.71-.73	18.1-18.5	8.6 (220)	1.5 (38)
GL128	-	450 (37)	-	.76-.77	19.4-19.6	8.6 (220)	1.5 (38)
GL130	-	500 (19,37)	-	.80-.81	20.4-20.7	8.6 (220)	1.5 (38)

+RUS Listed

## Splices for Metric Conductor

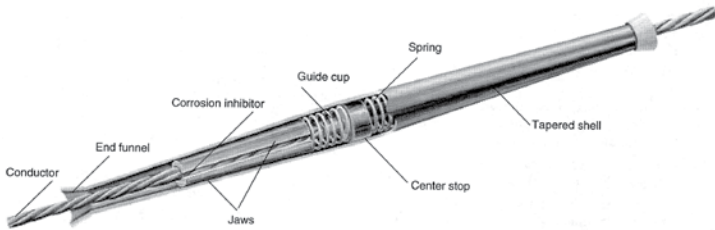
CATALOG NUMBER	CONDUCTOR	APPROXIMATE CONDUCTOR O.D.		DIMENSIONS INCHES (MM)	
		MIN/MAX INCHES	MIN/MAX MM	A	B
GL110M	6 mm <sup>2</sup>	.10-.14	2.6-3.5	4.20 (107)	.51 (13)
GL111M	10 mm <sup>2</sup>	.14-.17	3.4-4.3	4.20 (107)	.51 (13)
GL112M	16 mm <sup>2</sup> Sol.	.17-.20	4.2-5.2	4.36 (111)	.55 (14)
GL113M	16 mm <sup>2</sup> Str.	.20-.22	5.0-5.8	4.36 (111)	.55 (14)
GL114M	25 mm <sup>2</sup>	.22-.26	5.8-6.6	5.46 (139)	.71 (18)
GL115M	35 mm <sup>2</sup>	.25-.30	6.5-7.6	5.46 (139)	.71 (18)
GL117M	50 mm <sup>2</sup>	.31-.37	7.9-9.4	6.48 (165)	.90 (23)
GL118M	70 mm <sup>2</sup>	.37-.43	9.4-10.9	6.48 (165)	.90 (23)
GL119M	95 mm <sup>2</sup>	.44-.50	11.3-12.6	7.98 (203)	1.22 (31)
GL120M	120 mm <sup>2</sup>	.50-.56	12.6-14.2	7.98 (203)	1.22 (31)



# OVERHEAD LINE SPLICES AUTOMATIC ALUMINUM

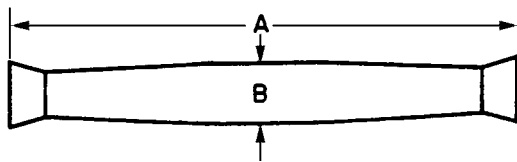
ALUMINUM  
GL400

DB  
2



- ANSI C119.4, full tension, Class A connector (95% of conductor breaking strength unless otherwise noted)
- Color coded end funnel guides for easy identification
- Factory inhibitor protected
- Fastest method of splicing aluminum, aluminum alloy and ACSR conductor

**Material:** Shell - High Strength Aluminum Alloy  
Jaws - Aluminum Alloy



## Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR SIZE			APPROXIMATE CONDUCTOR O.D.		COLOR CODE	DIMENSIONS INCHES (MM)	
	ACSR ASTM-B232	AAAC ASTM-B399	AAC ASTM-B231	MIN/MAX. INCHES	MIN./MAX. MM		A	B
GL401	6 - 4	6 - 4	6 - 4	.184-.263	4.68-6.70	Blue	14 (360)	1.0 (25)
GL402A	4	4	4	.225-.250	5.72-6.35	Orange	9 (230)	0.9 (23)
GL404A	2	2	2	.280-.320	7.11-8.13	Red	12 (305)	1.0 (25)
GL4042A	4 - 2	4 - 2	4 - 2	.220-.320	5.59-8.13	Red- Orange	12 (305)	1.0 (25)
GL406A	1/0	1/0	1/0	.355-.400	9.02-10.16	Yellow	12 (305)	1.1 (28)
GL4076A	1/0-2/0	1/0-2/0	1/0-2/0	.355-.470	9.02-11.94	Yellow-Gray	18 (460)	1.4 (36)
GL407	2/0	2/0	2/0	.400-.470	10.16-11.94	Gray	18 (460)	1.4 (36)
GL408	3/0	3/0	3/0	.450-.530	11.43-13.46	Black	20 (510)	1.6 (41)
GL4098	3/0-4/0	3/0-4/0	3/0-4/0	.450-.595	11.43-15.11	Pink-Black	22 (560)	1.7 (43)
GL409A	4/0	4/0	4/0	.505-.595	12.83-15.11	Pink	17 (430)	1.6 (41)
GL1205A	-	-	*4/0-266.8	.518-.595	13.16-15.11	Natural	9 (230)	1.2 (31)

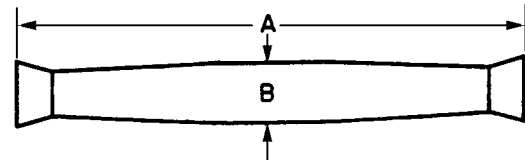
\*Includes compact conductor of same size - ASTM-B400  
Note: For conductors other than those listed, consult factory.



# OVERHEAD LINE SPLICES AUTOMATIC ALUMINUM (MULTIPLE LAYER STRAND CONDUCTORS)

ALUMINUM
GL400

- Automatic for larger multiple layer stranded conductor used in primary distribution and transmission
- ANSI C119.4, full tension, Class A connector (95% of conductor breaking strength unless otherwise noted)
- Color coded end funnel guides for easy identification
- Factory inhibitor protected
- Fastest method of splicing aluminum, aluminum alloy and ACSR conductor



**Material:** **Shell** - Seamless High Strength Aluminum Alloy  
**Jaws** - High Strength Aluminum Alloy

**Note:** For conductors other than those listed, consult factory.

DB  
3

## Product Data & Conductor Size

### MULTIPLE LAYER STRAND CONDUCTORS-KCMIL SIZES

CATALOG NUMBER	CONDUCTOR SIZE			APPROXIMATE CONDUCTOR O.D.		COLOR CODE	DIMENSIONS INCHES (MM)	
	ACSR ASTM-B232	AAAC ASTM-B399	AAC ASTM-B231	MIN/MAX. INCHES	MIN./MAX. MM		A	B
GL410	266.8 (18/1)	312.8	*336.4	.603-.666	15.32-16.92	Brown	19 (480)	1.7 (43)
GL411	336.4 (18/1)	394.5	*397.5,**336.4	.659-.724	16.74-18.39	Green	20 (510)	1.8 (46)
GL412	397.5 (18/1)	465.4	*477	.720-.795	18.29-20.19	Blue	22 (560)	2.0 (51)
GL413	477 (18/1)	559.5	*556.5, 500	.780-.858	19.81-21.79	White	24 (610)	2.1 (54)
GLT1316A	266.8 (26/7)	-	-	-	-	Natural	36 (916)	2.2 (56)
GLT1317B	336.4 (26/7)	-	-	-	-	Green	22 (560)	2.0 (51)
GLT1319A	477 (26/7)	-	-	-	-	White	36 (916)	2.2 (56)
GL1333A+	556.5 (18/1)	Consult Fargo	636	.840-.920	21.34-23.37	Natural	15 (380)	2.0 (51)
GL1351A+	556.5 (26/7)	Consult Fargo	652.8	.927-.940	23.55-23.88	Natural	16 (410)	2.0 (51)
GL1355A+	Consult Fargo	Consult Fargo	700, 715	.940-.976	23.88-24.80	Natural	16 (410)	2.0 (51)
GL1385A+	Consult Fargo	Consult Fargo	795	.996-1.031	25.30-26.19	Natural	16 (410)	2.0 (51)
GL1441A+	Consult Fargo	Consult Fargo	954	1.100-1.140	27.94-28.96	Red	16 (410)	2.0 (51)

\*Includes compact conductor of same size - ASTM-B400

+Maximum design rating 10,000 lb./44.5 kN

\*\*Round only



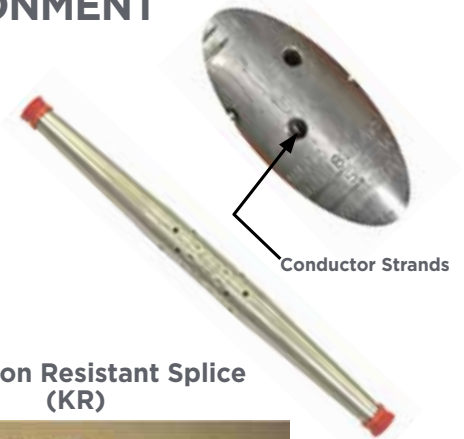
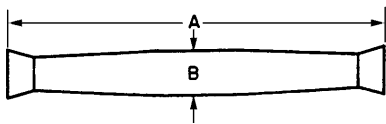
# OVERHEAD LINE SPLICES AUTOMATIC - CORROSIVE ENVIRONMENT ALUMINUM

ALUMINUM  
GL\*KR

DB  
4

- Designed SPECIFICALLY for high corrosive / problem environments
- Extensively tested, including Fault Current & Salt Spray.
- ANSI C119.4, Class 1, full tension connector (Unless otherwise specified)
- ANSI C119.4 Class A, temperature rated connector
- Sequence Tested: Salt Fog per ASTM G85, Current Cycle per ANSI C119.4, and Fault Current per IEEE837
- Color coded end funnel guides for easy identification
- Fastest method of splicing aluminum, aluminum alloy, and ACSR conductor
- Special inhibitor blend for corrosive environments
- Stainless springs
- Stainless or plastic pilot cups
- Holes in shell & center stop for drainage & evaporation
- Positive conductor insertion, look in the holes

**Material:** **Shell** - Seamless High Strength Aluminum Alloy  
**Jaws** - High Strength Aluminum Alloy  
**Internal Components** - Stainless Steel or Plastic



**Corrosion Resistant Splice (KR)**



After 2000 hours of Salt Fog, 1000 hours of Heat Cycle, and Three Rounds of Fault Current Testing

## Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR SIZE <sup>++</sup>			APPROXIMATE CONDUCTOR O.D. INCHES (mm)		COLOR CODE	DIMENSIONS, INCHES (mm)	
	ACSR	AAAC	AAC	MIN	MAX		A	B
GL402AKR	#4	#4	#4	0.225 (5.72)	0.250 (6.35)	Orange	9 (230)	0.9 (23)
GL404AKR	#2	#2	#2	0.280 (7.11)	0.320 (8.13)	Red	12 (305)	1.0 (25)
GL4042AKR	#4 - #2	#4 - #2	#4 - #2	0.220 (5.59)	0.320 (8.13)	Red-Orange	12.8 (325)	1.0 (25)
GL406AKR	1/0	1/0	1/0	0.355 (9.02)	0.400 (10.16)	Yellow	12 (305)	1.1 (28)
GL4076AKR	1/0 - 2/0	1/0 - 2/0	1/0 - 2/0	0.355 (9.02)	0.470 (11.94)	Yellow-Gray	18 (460)	1.4 (36)
GL407KR	2/0	2/0	2/0	0.400 (10.16)	0.470 (11.94)	Gray	18 (460)	1.4 (36)
GL408KR	3/0	3/0	3/0	0.450 (11.43)	0.530 (13.46)	Black	20 (510)	1.6 (41)
GL409AKR	4/0	4/0	4/0	0.505 (12.83)	0.595 (15.11)	Pink	17 (430)	1.6 (41)
GL410KR	266.8 (18/1)	312.8	336.4	0.603 (15.32)	0.666 (16.92)	Brown	19 (480)	1.7 (43)
GL411KR	336.4 (18/1)	394.5	397.5, 336.4**	0.659 (16.74)	0.724 (18.39)	Green	20 (510)	1.8 (46)
GL412KR	397.5 (18/1)	465.4	477	0.720 (18.29)	0.795 (20.19)	Blue	22 (560)	2.0 (51)
GL413KR	477 (18/1)	559.5	556.5, 500	0.780 (19.81)	0.858 (21.79)	White	24 (610)	2.1 (54)
GL1333AKR+	556.5 (18/1)	Consult Factory	636	0.840 (21.34)	0.920 (23.37)	Natural	16.5 (420)	2.0 (51)
GL1351AKR+	556.5 (27/7), 636 (18/1)	Consult Factory	652.8	0.927 (23.55)	0.940 (23.88)	Natural	16 (410)	2.0 (51)
GL1355AKR+	Consult Factory	Consult Factory	700, 715	0.940 (23.88)	0.976 (24.79)	Natural	16 (410)	2.0 (51)
GL1385AKR+	Consult Factory	Consult Factory	795	0.996 (25.30)	1.031 (26.19)	Natural	16 (410)	2.0 (51)
GL1441AKR+	796 (26/7)	Consult Factory	954	1.100 (27.94)	1.140 (28.96)	Red	16 (410)	2.0 (51)

<sup>++</sup> Includes compact conductor of same size.

<sup>+</sup> Maximum design rating 10,000 lbs (44.5kN)

<sup>\*\*</sup> Round Only

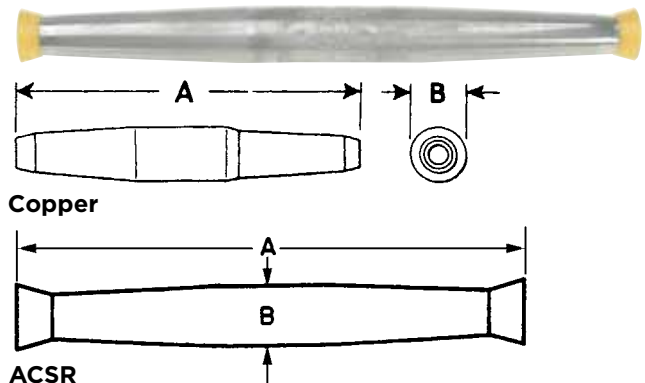
**Note:** For conductor other than those listed, consult factory.

# OVERHEAD LINE SPLICES AUTOMATIC REDUCING

- Allows easy splicing from one size conductor to another size conductor
- Allows utilities the option of not stocking old conductor that isn't used anymore
- Splice provides full strength of the weaker of the two conductors and a resistance lower than the equivalent conductor
- Same design philosophy and material as used in the copper and aluminum automatic splices.

**Material:**  
**Copper**  
 Shell - Drawn Copper Tube  
 Jaws - Bronze Alloy  
**Aluminum**  
 Shell - Aluminum Alloy  
 Jaws - Aluminum Alloy

REDUCING
GL



DB  
5

## Product Data & Conductor Size

### COPPER REDUCING SPLICES

CATALOG NUMBER	CONDUCTOR SIZE				DIMENSIONS INCHES (MM)	
	LARGE END		SMALL END		A	B
	SOLID	STRAND	SOLID	STRAND		
GL150	4	-	6	-	4 (100)	.56 (14)
GL151	3	4	6	-	4 (100)	.56 (14)
GL152	3	4	4	-	4 (100)	.56 (14)
GL153	2	3	6	-	5 (130)	.75 (19)
GL154	2	3	4	-	5 (130)	.75 (19)
GL155	1	2	6	-	5 (130)	.75 (19)
GL156	1	2	4	-	5 (130)	.75 (19)
GL157	1	2	3	4	5 (130)	.75 (19)
GL158	1	2	2	3	5 (130)	.75 (19)
GL159	1/0	1	3	4	5 (130)	.75 (19)
GL160	1/0	1	2	3	5 (130)	.75 (19)
GL161	1/0	1	1	2	5 (130)	.75 (19)
GL162	2/0	1/0	3	4	6 (150)	.94 (24)
GL163	2/0	1/0	2	3	6 (150)	.94 (24)
GL164	2/0	1/0	1	2	6 (150)	.94 (24)
GL165	2/0	1/0	4	-	6 (150)	.94 (24)
GL166	2/0	1/0	1/0	1	6 (150)	.94 (24)
GL167	3/0	2/0	3	4	6 (150)	.94 (24)
GL168	3/0	2/0	2	3	6 (150)	.94 (24)
GL169	3/0	2/0	1	2	6 (150)	.94 (24)
GL170	3/0	2/0	1/0	1	6 (150)	.94 (24)
GL171	3/0	2/0	2/0	1/0	6 (150)	.94 (24)
GL172	4/0	3/0	3/0	2/0	7.4 (190)	1.3 (33)
GL173	-	4/0	2/0	1/0	7.4 (190)	1.3 (33)
GL174	-	4/0	3/0	2/0	7.4 (190)	1.3 (33)
GL175	-	4/0	4/0	3/0	7.4 (190)	1.3 (33)
GL176	-	250	-	4/0	7.4 (190)	1.3 (33)

### ACSR REDUCING SPLICES

GL406A4042A	1/0		4 - 2		12.1 (307)	1.2 (30)
GL412411	397.5		336.4		21 (530)	2.0 (51)



# OVERHEAD LINE SPLICES AUTOMATIC BI-METAL (COPPER TO ALUMINUM)

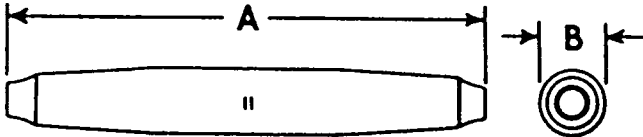
BI-METAL
GL

DB  
6

- Provide a permanent electrical and mechanical connection of copper to ACSR, aluminum or aluminum alloy conductors
- Factory loaded inhibitor to ensure long term corrosion free performance
- Individually bagged to seal out dirt before use



**Material:** Shell - Aluminum Alloy  
 Jaws on side - Aluminum Alloy  
 Jaws on copper side - Plated Bronze Alloy



## Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE					DIMENSIONS INCHES (MM)	
	COPPER END		ALUMINUM END			A	B
	SOLID	STRAND	ACSR	AAAC	AAC		
GL113195A	3	4	-	2/0 - 3/0	3/0 - 4/0	8.5 (220)	1.3 (33)
GL114185A	2	3	-	1/0	1/0 - 2/0	8.5 (220)	1.3 (33)
GL114195A	2	3	-	2/0 - 3/0	3/0 - 4/0	8.5 (220)	1.3 (33)
GL117018A	2/0	1/0	-	1/0	2/0	8.5 (220)	1.3 (33)
GL118195A	3/0	2/0	-	2/0 - 3/0	3/0 - 4/0	8.5 (220)	1.3 (33)
GL4042A11	6	-	2 - 4	2 - 4	2 - 4	9.4 (239)	1.0 (25)
GL4042A12	4	6	2 - 4	2 - 4	2 - 4	9.4 (239)	1.0 (25)
GL4042A13	3	4	2 - 4	2 - 4	2 - 4	9.4 (239)	1.0 (25)
GL40615	1	2	1/0	1/0	1/0	13 (331)	1.3 (33)
GL41118	3/0	2/0	336.4 (18/1)	394.5	397.5	15.5 (394)	1.8 (46)
GL41223	-	300	397.5 (18/1)	465.4	477	18 (450)	2.0 (51)



# SPLICES AUTOMATIC GUY WIRE

ALUMINUM
GLS

DB  
7



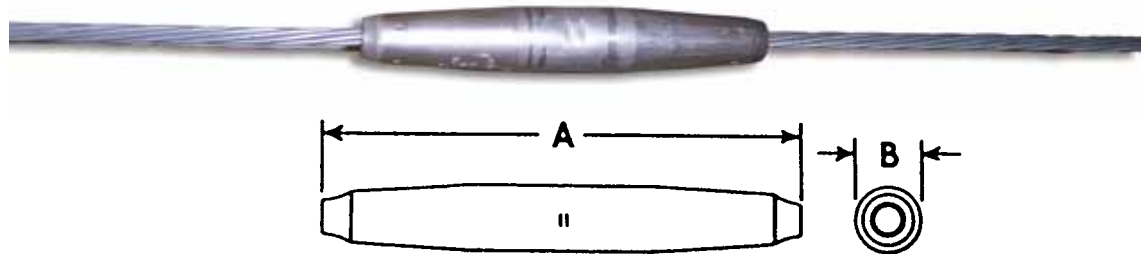
For splicing applications with overhead or support guy wires.

Fargo GLS500x series automatic splices are designed for use on High Strength (HS), Common (Com), Siemens-Martin (SM), Utilities (Util) and Bell System strand.

Fargo GLS504x series automatic splices are designed for use on all guy wire types listed above, plus Extra High Strength (EHS) and Alu-moweld (AW).

All GLS automatic splices will hold a minimum of 90% of the guy wire rated breaking strength.

**Material:** Shell - High Strength Aluminum Alloy  
Jaws - Plated Steel



## Product Data & Conductor Size

CATALOG NUMBER	PRIMARY STRAND APPLICATION	TO BE USED WITH:			RANGE (IN.)	RANGE (MM)	DIMENSIONS INCHES (MM)	
		EHS	AW / AWAC	HS, COM, S-M, UTIL, BELL			A	B
GLS5000	1/4" HS, Com, S-M, Util, Bell			●	0.240 - 0.253	6.11 - 6.44	6.4 (163)	0.9 (23)
GLS5001	5/16" HS, Com, S-M, Util, Bell			●	0.310 - 0.335	7.89 - 8.53	7.3 (185)	1.1 (28)
GLS5002	3/8" HS, Com, S-M, Util, Bell			●	0.360 - 0.405	9.16 - 10.31	8.1 (206)	1.3 (33)
GLS5040	1/4" EHS 7#12 (6M) AW	●	●	●	0.215 - 0.270	5.46 - 6.86	8.3 (211)	1.13 (28)
GLS5041	5/16" EHS 7#10 (10M), 7#11 (8M) AW	●	●	●	0.270 - 0.315	6.86 - 8.00	8.6 (218)	1.22 (31)
GLS5042	3/8" EHS 3#5, 7#8, 7#9, 12.5M, 14M, 16M AW #4-2/5, #2-3/4, #1-5/2 AWAC	●	●	●	0.325 - 0.392	8.26 - 9.96	10.0 (254)	1.48 (38)
GLS5043	7/16" EHS 7#7 (20M), 18M AW #2-2/5, #1-3/4, #1/0-5/2 AWAC	●	●	●	0.392 - 0.458	9.96 - 11.63	11.0 (279)	1.60 (41)
GLS5044	1/2" EHS, 25M AW, #1-2/5, #1/0-3/4, #2/0-5/2 AWAC #2/0-4/3 AWAC	●	●	●	0.455 - 0.520	11.56 - 13.21	10.8 (274)	1.70 (43)





**ALUMINUM**  
**GLS Reducing**

DB  
8

- For splicing applications with overhead or support wires.
- Fargo GLS508x series automatic splices are designed for use on High Strength (HS), Common (Com), Siemens-Martin (SM), Utilities (Util), and Bell System Strand (Bell).
- All GLS automatic splices will hold a minimum of 90% of the guy wire rated breaking strength.

**Material:** **Shell** - High Strength Aluminum Alloy  
**Jaws** - Plated Steel



**Product Data & Conductor Size**

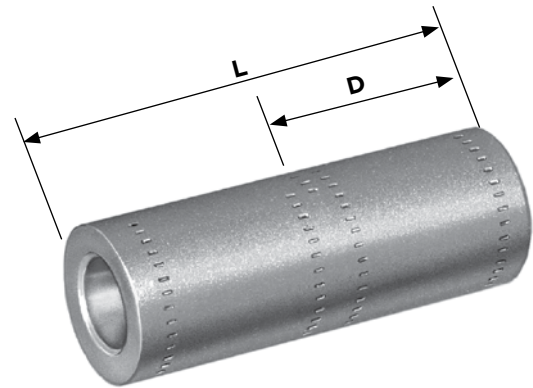
CATALOG NUMBER	SMALL END STRAND APPLICATION	LARGE END STRAND APPLICATION	TO BE USED WITH:			SMALL END RANGE IN. (MM)	LARGE END RANGE IN. (MM)
			EHS	AW / AWAC	HS, COM, S-M, UTIL, BELL		
GLS5086	3/16" HS, Com, S-M, Util, Bell	1/4" HS, Com, S-M, Util, Bell	•	•	•	0.145-0.215 (3.68-5.46)	0.215-0.270 (5.46-6.86)
GLS5087	1/4" EHS 7#12, (6M) AW	5/16" EHS 7#10, (10M), 7#11, (8M) AW	•	•	•	0.215-0.270 (5.46-6.86)	0.270-0.315 (6.86-8.00)
GLS5088	5/16" EHS 7#10, (10M), 7#11, (8M) AW	3/8" EHS 3#5, 7#8, 7#9, 12.5M, 14M, 16M AW #4-2/5, #2-3/4, #1-5/2 AWAC	•	•	•	0.270-0.315 (6.86-800)	0.325-0.392 (8.26-9.96)
GLS5089	3/8" EHS 3#5, 7#8, 7#9, 12.5M, 14M, 16M AW #4-2/5, #2-3/4, #1-5/2 AWAC	7/16" EHS 7#7 (20M), 18M AW #2-2/5, #1-3/4, #1/0-5/2 AWAC	•	•	•	0.325-0.392 (8.26-9.96)	0.392-0.458 (.96-11.63)



# OVERHEAD LINE SPLICES: AL AND AL-CU COMPRESSION VERSATILE™ SPLICE MINIMUM TENSION

ALUMINUM
VACS

- ANSI C119.4, minimum tension, Class 3 connector (5% of conductor breaking strength)
- For use with either VERSA-CRIMP® or conventional compression tools
- For aluminum to aluminum, aluminum to copper and copper to copper (except as noted) conductor splicing
- Color coded end plugs for easy die selection



DB  
9

**Material:** Body - Aluminum Alloy-Tin Plated  
Factory Inhibited

AL9CU (90°C Rated)



## Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM OR COPPER CONDUCTOR		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)	I.D. INCHES (MM)	
	CONVENTIONAL Δ RANGE	VERSA-CRIMP SYSTEM RANGE		L	D			
VACS8	#8 Str. Al/Cu	#8 Str. Al/Cu	VC6350	1-7/8 (47.6)	7/8 (22.2)	.007 (.003)	.166 (4.2)	
VACS6	#6 Str. Al/Cu	#6 Str. Al/Cu		1-7/8 (47.6)	7/8 (22.2)	.012 (.005)	.206 (5.2)	
VACS4	#4 Str. Al/Cu	#4 Str. Al/Cu		2-1/8 (54.0)	1 (25.4)	.021 (.009)	.252 (6.4)	
VACS2	#2 Str. Al/Cu	#6-#2 Str. Al/Cu	VC6 (ALL)	2-3/8 (60.3)	1-1/8 (28.6)	.03 (.013)	.312 (7.3)	
VACS1	#1 Str. Al/Cu	#4-#1 Str. Al/Cu		2-3/8 (60.3)	1-1/8 (28.6)	.04 (.02)	.350 (8.9)	
VACS10	1/0 Str. Al/Cu	#8-1/0 Str. Al/Cu		2-11/16 (68.3)	1-5/16 (33.3)	.05 (.02)	.393 (10)	
VACS20	2/0 Str. Al/Cu	#4-2/0 Str. Al/Cu		2-11/16 (68.3)	1-5/16 (33.3)	.06 (.03)	.450 (11.4)	
VACS30	3/0 Str. Al/Cu	#4-3/0 Str. Al/Cu		2-11/16 (68.3)	1-5/16 (33.3)	.08 (.04)	.502 (12.7)	
VACS40	4/0 Str. Al/Cu	#2-4/0 Str. Al/Cu		3-3/8 (85.7)	1-5/8 (41.3)	.11 (.05)	.562 (14.3)	
VACS250	250 MCM Al/Cu	1/0-250 MCM Al/Cu		3-3/8 (85.7)	1-5/8 (41.3)	.15 (.07)	.605 (13.4)	
VACS300	300 MCM Al/Cu	1/0-300 MCM Al/Cu		3-3/8 (85.7)	1-5/8 (41.3)	.19 (.08)	.660 (16.8)	
VACS350	350 MCM Al/Cu	2/0-350 MCM Al/Cu		VC63 VC6FT	5 (127.0)	2-7/16 (62.0)	.22 (.10)	.711 (18.1)
VACS400	400 MCM Al/Cu	3/0-400 MCM Al/Cu			5 (127.0)	2-7/16 (62.0)	.27 (.12)	.758 (19.2)
VACS500	500 MCM Al/Cu	4/0-500 MCM Al/Cu	5 (127.0)		2-7/16 (62.0)	.36 (.16)	.843 (21.4)	
VACS600*	600 MCM Al	350-600 MCM Al 350-500 MCM Cu	VC6FT VC8	6 (152.4)	2-15/16 (74.6)	.47 (.21)	.923 (23.4)	
VACS750*	750 MCM Al	500-750 MCM Al		6 (152.4)	2-15/16 (74.6)	.65 (.40)	1.028 (26.1)	
VACS1000*	1000 MCM Al	750-1000 MCM Al	VC8	6-3/8 (161.9)	3-1/8 (79.4)	.97 (.44)	1.182 (30)	

Δ Refer to pages DB-23 & DB-24 for recommended tool and die information.

\* Not for copper to copper.

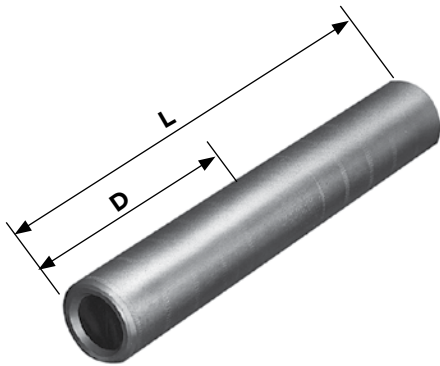
HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL,VAEL,VHCL, VHCS and VCELC) are rated at 34.5kV. The other U.L. listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 KV subject to the manufacturers' limitations and recommendations for the insulation material. For further information, contact factory.



# OVERHEAD LINE SPLICES: AL AND AL-CU COMPRESSION VERSA-CRIMP® SPLICE MINIMUM TENSION - RANGE TAKING

ALUMINUM  
VCSE

DB  
10



- ANSI C119.4, minimum tension, Class 3 connector (5% of conductor breaking strength)
- For use with VERSA-CRIMP® tools only
- For aluminum to aluminum and aluminum to copper conductor splicing. Not for copper to copper splicing.
- Aluminum alloy conductor recommendations include 5005, 6201 (AAAC) and ACAR of the same maximum diameter as a given ACSR conductor shown below. In addition, compressed (compact) conductor sizes within listed AAC range are recommended.

**Material:** Body - Aluminum Alloy  
Factory inhibited

## Product Data & Conductor Size

CATALOG NUMBER	VERSA CRIMP SYSTEM CONDUCTOR RANGE	VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
			L	D	
VCSE44	#10(7)-1/0 (19) AAC #8 (6/1)-1/0 (6/1) ACSR #10 Sol.-1/0(19) Cu	VC6 (ALL)	2 (50.8)	21/32 (16.7)	.063 (.028)
VCSE55	#8(7)-3/0 (19) AAC #6 (6/1)-2/0 (6/1) ACSR #8 Sol.-3/0 (19) Cu		3 (76.2)	1-7/16 (36.5)	.11 (.05)
VCSE66	#4 (7)-266.8 (19) AAC #4 (6/1)-4/0 (6/1) ACSR #4 Sol.-250 (37) Cu		4 (101.6)	1-7/8 (47.6)	.18 (.08)
VCSE77	2/0 (7)-350 (37) AAC 2/0 (6/1)-336.4 (18/1) ACSR 2/0 (7)-350 (37) Cu	*VC6500 VC63 VC6FT	5 (127.0)	2-3/8 (60.3)	.27 (.12)
VCSE88	4/0 (7)-500 (37) AAC 4/0 (6/1)-477 (18/1) ACSR 4/0(7)-500(37) Cu		5 (127.0)	2-3/8 (60.3)	.28 (.12)
VCSE99	500 (19)-750 (61) AAC 477(18/1)-636 (26/7) ACSR 500 (37) Cu	VC6FT VC8	6 (152.4)	2-7/8 (73.0)	.45 (.20)

\*VC6500 for use with aluminum conductor only in range 350-500 MCM.

PLASTIC  
SEC

# OVERHEAD AND SERVICE ENTRANCE LINE SPLICES COMPRESSION PLASTIC COVER



Snap on cover for minimum tension splice

**Material:** Black thermoplastic

CATALOG NUMBER	DESCRIPTION	APPROX. WT. EACH LBS. (KG)
SEC4 **	For use on any 5/8" OD splice up to 2" long	.04 (.02)
SEC6 **	For use on any .840 OD splice up to 4" long	.06 (.03)

\*\*RUS Listed

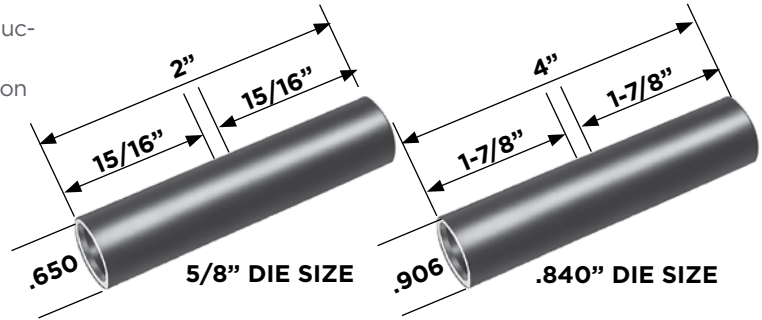


# OVERHEAD LINE SPLICES: AL AND AL-CU COMPRESSION VERSAtile™ REDUCING SPLICE MINIMUM TENSION

ALUMINUM  
VAUS

- ANSI C119.4, minimum tension, Class 3 connector (5% of conductor breaking strength)
- For use with either VERSA-CRIMP® or conventional compression tools—4 standard die sizes
- For aluminum to aluminum or aluminum to copper conductor splicing. Not for copper to copper connections.
- Color coded end caps for quick conductor sizing thru 4/0

**Material:** Aluminum Alloy  
Factory Inhibited with Non-Petroleum Sealant



DB  
11

## Product Data & Conductor Size

DIELESS VERSA-CRIMP: VC6			5/8" DIE SIZE: STD. TOOLS				
CATALOG NUMBER	VERSA CRIMP VC6 SERIES (ALL) TOOLING RANGES	INSIDE DIAM. (INCHES) A/B ENDS	CONVENTIONAL DIE-TYPE CONDUCTOR RANGES	STANDARD DIE SETS	A/B COLOR CODED ENDS	APPROX. WT. EACH LBS. (KG)	
VAUS68**	#8 Str.-#4 Sol. Al/Cu & #6 ACSR #8 Str. Al & #8 Str.-#6 Sol. Cu	.233-.186	#6 Str.-#4 Sol. Al/Cu & #6 ACSR #8 Str. Al & #8 Str.-#6 Sol. Cu	EEI-8A Burndy BG Index 243 Kearney 5/8" T&B/Blackburn TU52	Blue Green	.058 (.026)	
VAUS66**	#8 Str.-#4 Sol. Al/CU & #6 ACSR	.233-.233	#6 Str.-#4 Sol. Al/Cu & #6 ACSR		Blue	.057 (.026)	
VAUS48**	#8 Str.-#2 Sol. Al/Cu & #6-#4 ACSR #8 Str. Al & #8 Str.-#6 Sol. Cu	.281-.186	#4 Str.-#2 Sol. Al/Cu & #4 ACSR #8 Str. Al & #8 Str.-#6 Sol. Cu		Orange Green	.057 (.026)	
VAUS46**	#8 Str.-#2 Sol. Al/Cu & #6-#4 ACSR #8 Str.-#4 Sol. Al/Cu & #6 ACSR	.281-.233	#4 Str.-#2 Sol. Al/Cu & #4 ACSR #6 Str.-#4 Sol. Al/Cu & #6 ACSR		Orange Blue	.056 (.025)	
VAUS44**	#8 Str.-#2 Sol. Al/Cu & #6-#4 ACSR	.281-.281	#4 Str.-#2 Sol. Al/Cu & #4 ACSR		Orange	.048 (.022)	
VAUS18**	#8-#1 Str. Al/Cu & #6-#2 ACSR #8 Str. Al & #8 Str.-#6 Sol. Cu	.355-.186	#2-#1 Str. Al/Cu & #2 ACSR #8 Str. Al & #8 Str.-#6 Sol. Cu		Red Green	.053 (.024)	
VAUS16**	#8-#1 Str. Al/Cu & #6-#2 ACSR #8 Str.-#4 Sol. Al/Cu & #6 ACSR	.355-.233	#2-#1 Str. Al/Cu & #2 ACSR #6 Str.-#4 Sol. Al/Cu & #6 ACSR		Red Blue	.052 (.024)	
VAUS14**	#8-#1 Str. Al/Cu & #6-#4 ACSR #8 Str.-#2 Sol. Al/Cu & #6-#4 ACSR	.355-.281	#2-#1 Str. Al/Cu & #2 ACSR #4 Str.-#2 Sol. Al/Cu & #4 ACSR		Red Orange	.051 (.023)	
VAUS11**	#8-#1 Str. Al/Cu & #6-#2 ACSR	.355-.355	#2-#1 Str. Al/Cu & #2 ACSR		Red	.048 (.022)	
VAUS108**	#8-1/0 Str. Al/Cu/ACSR #8 Str. Al & #8 Str.-#6 Sol. Cu	.421-.186	1/0 Str. Al/Cu/ACSR #8 Str. Al & #8 Str.-#6 Sol. Cu		Yellow Green	.049 (.022)	
VAUS106**	#8-1/0 Str. Al/Cu/ACSR #8 Str.-#4 Sol. Al/Cu & #6 ACSR	.421-.233	1/0 Str. Al/Cu/ACSR #6 Str.-#4 Sol. Al/Cu & #6 ACSR		Yellow Blue	.048 (.022)	
VAUS104**	#8-1/0 Str. Al Cu/ACSR #8 Str.-#2 Sol. Al/Cu & #6-#4 ACSR	.421-.281	1/0 Str. Al/Cu/ACSR #4 Str.-#2 Sol. Al/Cu & #4 ACSR		Yellow Orange	.047 (.021)	
VAUS101**	#8-1/0 Str. Al/Cu/ACSR #8-#1 Str. Al/Cu & #6-#2 ACSR	.421-.355	1/0 Str. Al/Cu/ACSR #2-#1 Str. Al/Cu & #2 ACSR		Yellow Red	.043 (.020)	
VAUS1010**	#8-1/0 Str. Al/Cu/ACSR	.421-.421	1/0 Str. Al/Cu/ACSR		Yellow	.039 (.018)	
DIELESS VERSA-CRIMP: VC6			.840" DIE SIZE: STD. TOOLS				
VAUSH101**	#4-1/0 Str. Al/Cu/ACSR #6-#1 Str. Al/CU & #6-#2 ACSR	.421-.355	1/0 Str. Al/Cu/ACSR-2/0 Comp #2-#1 Str. Al/Cu & #2 ACSR-#1-1/0 Comp.		EEI-11A Burndy K840/249	Yellow Red	.240 (.11)
VAUSH1010**	#4-1/0 Str. Al/Cu/ACSR #4-1/0 Str. Al/Cu/ACSR	.421-.421	1/0 Str. Al/Cu/ACSR-2/0 Comp. 1/0 Str. Al/Cu/ACSR-2/0 Comp.	Yellow		.240 (.11)	
VAUS206**	#4-2/0 Str. Al/Cu/ACSR #8 Str.-#4 Sol. Al/Cu & #6 ACSR	.469-.233	2/0 Str. Al/Cu/ACSR-3/0 Comp #6 Str.-#4 Sol. Al/Cu & #6 ACSR	Gray Blue		.213 (.097)	
VAUS204**	#4-2/0 Str. Al/Cu/ACSR #8 Str.-#2 Sol. Al/Cu & #6-#4 ACSR	.469-.289	2/0 Str. Al/Cu/ACSR-3/0 Comp. #4 Str.-#2 Sol. Al/Cu & #4 ACSR	Gray Orange		.210 (.095)	

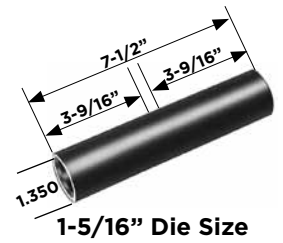
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\*\*RUS Listed



# OVERHEAD LINE SPLICES: AL AND AL-CU COMPRESSION VERSAtile™ REDUCING SPLICE MINIMUM TENSION (CONTINUED)

ALUMINUM  
VAUS



DB  
12

DIELESS VERSA-CRIMP: VC6			.840" DIE SIZE: STD. TOOLS			
CATALOG NUMBER	VERSA CRIMP VC6 SERIES (ALL) TOOLING RANGES	INSIDE DIAM. (INCHES) A/B ENDS	CONVENTIONAL DIE-TYPE CONDUCTOR RANGES	STANDARD DIE SETS	A/B COLOR CODED ENDS	APPROX. WT. EACH LBS. (KG)
VAUS201**	#4-2/0 Str. Al/Cu/ACSR #6-#1 Str. Al/Cu & #6-#2 ACSR	.469-.355	2/0 Str. Al/Cu/ACSR-3/0 Comp. #2-#1 Str. Al/Cu & #2 ACSR-#1-1/0 Comp.	EEI-11A Burndy k840 Index 249 T&B TX 76 76H Blackburn 840 B49EA Kearney: 840	Gray Red	.203 (.092)
VAUS2010**	#4-2/0 Str. Al/Cu/ACSR #4-1/0 Str. Al/Cu/ACSR	.469-.429	2/0 Str. Al/Cu/ACSR-3/0 Comp. 1/0 Str. Al/Cu/ACSR-2/0 Comp.		Gray Yellow	.195 (.088)
VAUS2020**	#4-2/0 Str. Al/Cu/ACSR	.469-.469	2/0 Str. Al/Cu/ACSR-3/0 Comp.		Gray	.189 (.086)
VAUS304**	#4-3/0 Str. Al/Cu/ACSR #8 Str.-#2 Sol. Al/Cu & #6-#4 ACSR	.531-.281	3/0 Str. Al/Cu/ACSR-4/0 Comp. #4 Str.-#2 Sol. Al/Cu & #4 ACSR		Black Orange	.201 (.091)
VAUS301**	#4-3/0 Str. Al/Cu/ACSR #6-#1 Str. Al/Cu & #6-#2 ACSR	.531-.355	3/0 Str. Al/Cu/ACSR-4/0 Comp. #2-#1 Str. Al/Cu & #2 ACSR-#1-1/0 Comp.		Black Red	.194 (.088)
VAUS3010**	#4-3/0 Str. Al/Cu/ACSR #4-1/0 Str. Al/Cu/ACSR	.531-.421	3/0 Str. Al/Cu/ACSR-4/0 Comp. 1/0 Str. Al/Cu/ACSR-2/0 Comp.		Black Yellow	.186 (.084)
VAUS3020**	#4-3/0 Str. Al/Cu/ACSR #4-2/0 Str. Al/Cu/ACSR	.531-.469	3/0 Str. Al/Cu/ACSR-4/0 Comp. 2/0 Str. Al/Cu/ACSR-3/0 Comp.		Black Gray	.180 (.082)
VAUS3030**	#4-3/0 Str. Al/Cu/ACSR	.531-.531	3/0 Str. Al/Cu/ACSR-4/0 Comp.		Black	.171 (.078)
VAUS404**	#4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR #8 Str.-#2 Sol. Al/Cu & #6-#4 ACSR	.595-.281	4/0-250 Str. Al/Cu/ACSR-250-300 Comp. #4 Str.-#2 Sol. Al/Cu & #4 ACSR		Pink Orange	.181 (.082)
VAUS401**	#4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR #6-#1 Str. Al/Cu & #6-#2 ACSR	.595-.355	4/0-250 Str. Al/Cu 4/0 ACSR 250-300 Comp. #2-#1 Str. Al/Cu/ACSR-#1-1/0 Comp.		Pink Red	.184 (.083)
VAUS4010**	#4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR #4-1/0 Str. Al/Cu/ACSR	.595-.421	4/0-250 Str. Al/Cu 4/0 ACSR-250-300 Comp. 1/0 Str. Al/Cu/ACSR-2/0 Comp.		Pink Yellow	.176 (.080)
VAUS4020**	#4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR #4-2/0 Str. Al/Cu/ACSR	.595-.469	4/0-250 Str. Al/Cu 4/0 ACSR 250-300 Comp. 2/0 Str. Al/Cu/ACSR-3/0 Comp.		Pink Gray	.170 (.077)
VAUS4030**	#4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR #4-3/0 Str. Al/Cu/ACSR	.595-.531	4/0-250 Str. Al/Cu 4/0 ACSR-250-300 Comp. 3/0 Str. Al/Cu/ACSR-3/0 Comp.		Pink Black	.161 (.073)
VAUS4040**	#4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR	.595-.595	4/0-250 Str. Al/Cu 4/0 ACSR-250-300-Comp.		Pink	.151 (.068)
VAUS34930**	#1-350 Str. & #1-336.4 18/1 ACSR #4-3/0 Str. Al/Cu/ACSR	.704-.531	300-350 Str. & 336.4 18/1 ACSR-350-400 Comp. 3/0 Str. Al/Cu/ACSR-4/0 Comp.		None Black	.200 (.10)
VAUS34940**	#1-350 Str. & #1-336.4 18/1 ACSR #4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR	.704-.595	300-350 Str. & 336.4 18/1 ACSR-350-400 Comp. 4/0-250 Str.-4/0 ACSR-250-300 Comp.		None Pink	.200 (.10)
VAUS349349**	#1-350 Str. & #1-336.4 18/1 ACSR	.704-.704	300-350 Str. & 336.4 18/1 ACSR 350-400 Comp.		None	.190 (.10)
DIELESS VERSA-CRIMP: VC6			1-1/8" DIE SIZE: STD. TOOLS			
VAUS300300**Δ	3/0-300 Str. Al/Cu 3/0 (6/1)-266.8 (18/1) ACSR	.650-.650	250-300 Str. Al/Cu & 300-350 Comp. 4/0 (6/1)-266.8 (18/1) ACSR	EEI-13A Burndy: U32 ART Index 655 & 472 705, 316 Kearney: 11/8 T&B 96 & 96H Blackburn: B80EA	None	.379 (.172)
VAUS350350**Δ	3/0-350 Str. Al/Cu 3/0(6/1)-336.4 (18/1) ACSR	.718-.718	336.4-350 Str. Al/Cu & 350-400 Comp. 266.8 (6/1)-336.4(18/1) ACSR		None	.349 (.158)
VAUS400400**Δ	4/0-400 Str. Al/Cu 4/0 (6/1)-397-(18/1) ACSR	.781-.781	336.4-400 Str. Al/Cu & 500 Comp. 336.4 (36/1)-397 (18/1) ACSR		None	.313 (.142)
VAUS500500**Δ	4/0-500 Str. Al/Cu 4/0 (6/1)-477 (18/1) ACSR	.843-.843	450-500 Str. Al/Cu & 600 Comp. 397.5 (18/1)-477 (18/1) ACSR		None	.275 (.125)
DIELESS VERSA-CRIMP: VC6/VC8			1-5/16" DIE SIZE: STD. TOOLS			
VAUS475475**	4/0-500 Str. 4/0 (6/1)-477 (18/1) ACSR	.843-.843	450-500 Str. & 600 Comp. 397 (18/1) (24/7) (26/7) (30/7) ACSR 477 (36/1) (18/1) ACSR	EEI-14A Burndy: Index 317/327/719 Kearney: 1-5/16 T&B 106H Blackburn: B20AH	None	.748 (.389)
VAUS575575**	250-556.5 Str. 266.8(18/1)-556.5 18/1 ACSR	.900-.900	500-556.5 Str. & 650-700 Comp. 477 (18/1) (24/7) (26/7) ACSR 556 (36/1) (18/1) ACSR		None	.646 (.307)
VAUS675675**	350-700 Str. 336.4 (18/1)-605 26/7 ACSR	1.000-1.000	600-700 Str. & 750-795 Comp. 477 (30/7) 556.5 (18/1) (24/7) (26/7) (30/7) ACSR 636 (18/1) (36/1) 605 (36/1) (24/7) (26/7) ACSR		None	.748 (.389)

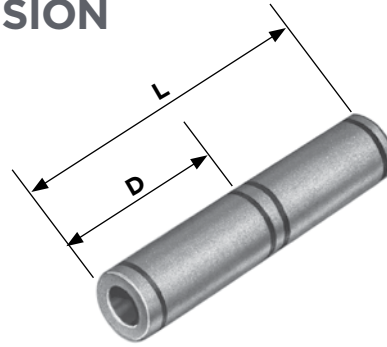
Δ For VC6-350/VC6-500 Conductor range is limited to conventional tool/die wire range.

\*\*RUS Listed



# OVERHEAD LINE SPLICES: AL/ACSR COMPRESSION VERSA-CRIMP® SPLICE PARTIAL TENSION

ALUMINUM  
VCSN



- ANSI C119.4, partial tension, Class 2 connector (40% of conductor breaking strength)
- For use with VERSA-CRIMP® Type VC6 (all) tools, only
- For Aluminum or ACSR messenger-neutrals of triplex service drop cables and loop jumper use

**Material:** Body – Aluminum Alloy  
Factory Inhibited

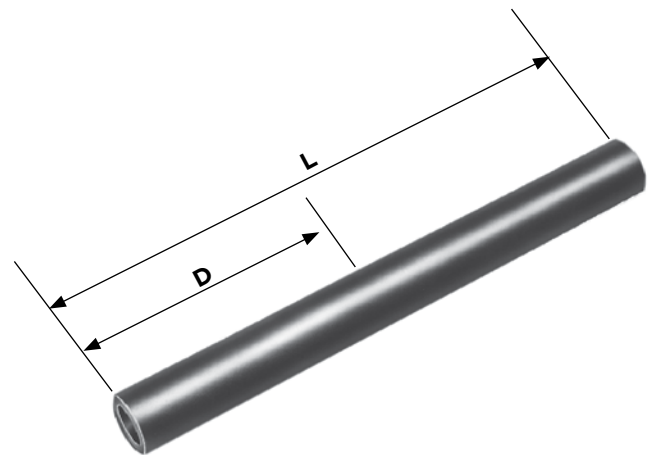
DB  
13

## Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM CONDUCTOR RANGE		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	MAIN	TAP		L	D	
VCSN44	#4 (7)-1/0 (19) AAC #6 (6/1)-1/0 (6/1) ACSR	#4 (7)-1/0 (19) AAC #6 (6/1) - 1/0 (6/1) ACSR	VC6 (ALL)	3-9/16 (90.5)	1-3/4 (44.45)	.12 (.05)

# OVERHEAD LINE SPLICES COMPRESSION VERSAtile™ TRIPLEX NEUTRAL SPLICE PARTIAL TENSION

ALUMINUM  
VANS



- For use with VERSA-CRIMP® or conventional tools.
- Connectors have partial tension (40%) rating when used with Aluminum and ACSR conductors.
- Connectors have minimum tension (5%) rating when used with copper conductors.
- Connectors are for splicing ACSR/Aluminum conductors to ACSR/Aluminum or ACSR/Aluminum to copper. Not for copper to copper.

**Material:** Aluminum Alloy  
Factory Inhibited with Non-Rubber Swelling Inhibitor and Sealed With Color Coded Caps

## Product Data & Conductor Size

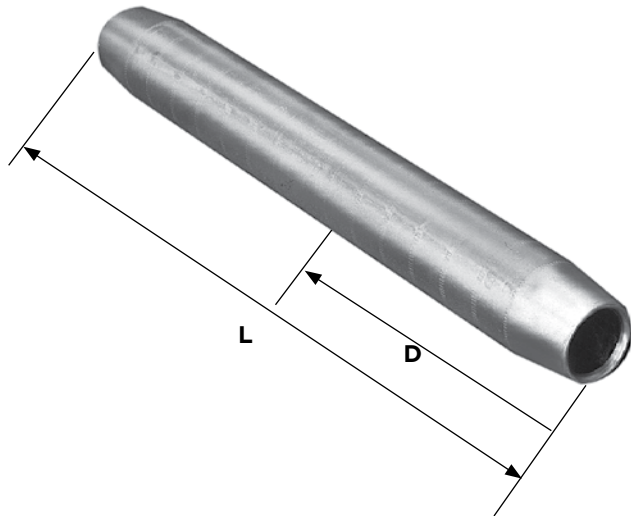
CATALOG NUMBER	ALUMINUM OR COPPER CONDUCTOR				COLOR CODED END	DIMENSIONS INCHES (MM)		WT. EACH LBS. (KG)
	VERSA-CRIMP SYSTEM CONDUCTOR RANGE	VERSA-CRIMP TOOL TYPE	CONVENTIONAL WIRE RANGE	CONVENTIONAL TOOL-DIES		L	D	
VANS66	#8 Str.-#4 Sol. Al/Cu #6 ACSR	VC6 (ALL)	#6 Str.-#4 Sol. Al/Cu #6 ACSR	EEl-8A Burndy: BG Index 243 OH-25	Blue	4-1/4 (107.95)	2-1/16 (52.39)	.123 (.055)
VANS44	#8 Str.-#2 Sol. Al/Cu #6-#4 ACSR		#4-#2 Sol. Al/Cu #4 ACSR	Kearney: 5/8 Nose Somerset: TU, 52 Blackburn: 5/8 Nose	Orange	4-1/4 (107.95)	2-1/16 (52.39)	.115 (.052)
VANS11	#8-#1 Str. Al/Cu #6-#2 ACSR		#2-#1 Str. Al/Cu #2 ACSR		Red	4-1/4 (107.95)	2-1/16 (52.39)	.093 (.044)
VANS1010	#8-1/0 Str. Al/Cu/ACSR		1/0 Str. Al/Cu/ACSR		Yellow	5 (127.0)	2-7/16 (61.91)	.097 (.044)



# OVERHEAD LINE SPLICES: AAC AND ACSR COMPRESSION VERSA-CRIMP® SPLICE PARTIAL TENSION - RANGE TAKING

ALUMINUM  
VCJSR

DB  
14



- For use with VERSA-CRIMP® tools only
- For aluminum, ACSR, compact, 5005, 6201 and ACAR partial tension (40% tension rating) conductor jumper splicing
- Aluminum alloy conductor recommendations include 5005 and ACAR having the same diameter as a given ACSR conductor shown below. In addition, compressed (compact) conductor sizes within the same decimal conductor range are recommended.
- Use 800 series connectors only, if 6201 (AAAC) aluminum alloy conductor is involved.

**Material:** Body - Aluminum Alloy  
Factory inhibited

## Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE - VERSA CRIMP TOOLS		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	AAC	ACSR		L	D	
VCJS36R	#6 (7), #4 (7), #3 (7), #2 (19, 7)	#6 (6/1), #4 (7/1), (6/1), #2 (7/1), (6/1)	VC6 (ALL)	4-5/8 (117.5)	2-1/4 (57.2)	.13 (.06)
VCJS50R	#2 (19, 7), #1 (19, 7), 1/0 (19, 7), 2/0 (19, 7)	#2 (7/1, 6/1), #1 (6/1), 1/0 (6/1), 2/0 (6/1)		6 (152.4)	2-15/16 (74.6)	.25 (.11)
VCJS61R	1/0 (19, 7), 2/0 (19, 7), 3/0 (19, 7), 4/0 (19, 7)	1/0 (6/1), 2/0 (6/1), 3/0 (6/1), 4/0 (6/1)		7-3/8 (187.3)	3-5/8 (92.1)	.45 (.20)
VCJS85R	4/0 (19, 7), 250 (37, 19), 266.8 (19, 7) 300 (37, 19), 336.4 (19), 350 (37, 19), 397.5 (19), 400 (37), 450 (37, 19), 477 (37, 19), 500 (37, 19)	4/0 (6/1), 266.8 (18/1) 336.4 (18/1, 36/1), 397.5 (18/1, 36/1), 477 (18/1, 36/1)	VC6 VC6FT	7-3/8 (187.3)	3-5/8 (92.1)	.54 (.24)
VCJS831R	250 (37, 19), 266.8 (19, 7), 300 (37), 336.4 (19), 350 (37,19), 397.5 (19), 400 (37), 450 (37, 19), 477 (37, 19) 500 (37, 19), 556.5 (37, 19)	266.8 (30/7, 26/7, 24/7, 18/1), 366.4 (30/7, 26/7, 24/7, 18/1), 397.5 (26/7, 24/7, 18/1), 477 (26/7, 24/7, 18/1)	VC8	11-1/8 (282.6)	5-1/2 (139.7)	1.3 (.59)
VCJS832R	556.5 (37), 636 (37)	477 (26/7), 556.5 (26/7, 24/7), 636 (18/1, 36/1)		12-7/8 (327.0)	6-3/8 (161.9)	1.6 (.72)
VCJS833R	700 (61), 715.5 (61, 37) 795 (61, 37)	605 (26/7, 24/7), 636 (26/7, 24/7, 18/1), 666.6 (24/7), 795 (36/1)		12-7/8 (327.0)	6-3/8 (161.9)	1.7 (.77)
VCJS834R	900 (61, 37)	715 (26/7), 795 (26/7, 54/7, 24/7, 45/7, 36/1)		14-5/8 (371.5)	7-1/4 (184.2)	2.1 (.95)
VCJS835R	954 (61, 37), 1000 (61), 1,033.5 (61, 37)	1,033.5 (61, 37), 1,000 (61) 954 (54/7, 45/7) 900 (54/7, 45/7) 795 (26/7)		14-5/8 (371.5)	7-1/4 (184.2)	2.2 (1.00)



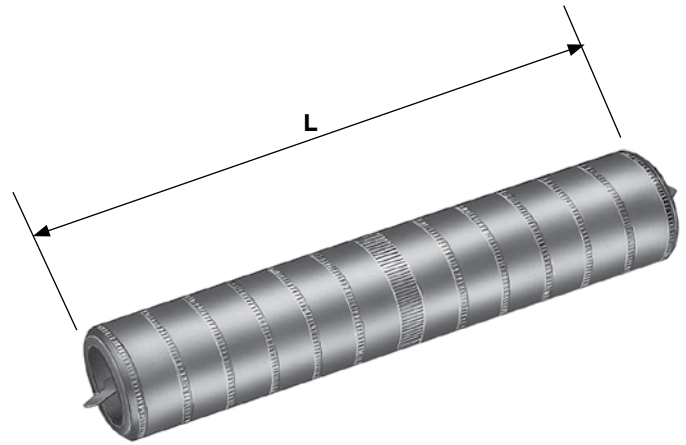
# OVERHEAD LINE SPLICES: AAC COMPRESSION PARTIAL-TENSION SPLICES - AAC

ALUMINUM
PTA

- For use with VERSA-CRIMP® or standard die-type compression tools
- Prefilled with tension compound
- Installed with popular compression dies from several manufacturers.
- Shorter barrel requires fewer crimps than higher strength splices for alloyed conductors.
- Meets industry requirements for partial tension (40% of conductor breaking strength) splicing per ANSI C119.4, Class 2

**Material:** Aluminum

**Note:** Refer to type PTR partial tension sleeves for splicing higher strength alloyed aluminum conductors and single core ACSR.



DB  
15

## Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE		CONVENTIONAL DIES				DIELESS TOOL: ANDERSON	L LENGTH INCHES (MM)	APPROX. WT. 100 LBS. (KG)
	AAC COMPACT STR.	INCHES (MM)	BURNDY INDEX	KEARNEY	T & B	EEI DIES			
PTA10	1/0 (7,19) Str.	.336-.373 (8.53-9.47)	BG, 243	5/8 5/8-1	52	8A	VC6 (ALL)	3.25 (83)	8 (4)
PTA40	4/0 (7,19) Str.	.475-.528 (12.06-13.41)	249	840	76	11A	VC6 (ALL)	4.00 (102)	16 (7)
PTA337	336.4 19 or 37 Str.	.603-.666 (15.31-16.91)	321, 705, 655	1-1/8-1 1-1/8-2	96	—	VC6 (ALL)	4.50 (114)	27 (12)
PTA350	350 19, 36, 61 Str.	.616-.681 (15.64-17.29)	490, 547	1-1/8-1 1-1/8-2	96	—	VC6FT	6.50 (165)	42 (19)
PTA477	477 or 500 19 or 37 Str.	.722-.814 (18.33-20.68)	317, 327 426	1-1/8-2	106	14A	VC6FT	6.25 (159)	45 (20)
PTA556	556.5 19 or 37 Str.	.780-.858 (19.81-21.79)	261, 318	1-5/16	115	15A	VC8	8.75 (222)	93 (42)
PTA636	636 37 Str.	.835-.918 (21.20-23.31)	469	1-1/2	125	—	VC8	7.50 (191)	87 (39)
PTA795	750-800 37 or 61 Str.	.998-1.031 (23.67-26.18)	342	1-5/8	140	—	VC8	10.5 (267)	151 (68)

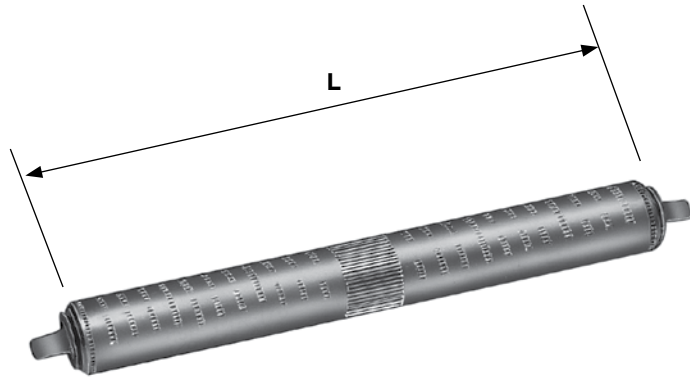




# OVERHEAD LINE SPLICES: AAC AND ACSR COMPRESSION PARTIAL-TENSION SPLICES - ACSR

ALUMINUM  
PTR

DB  
16



- For use with VERSA-CRIMP® or standard die-type compression tools
- Positive center stop
- Installed with popular compression dies from several manufacturers
- Prefilled with tension compound
- Meets industry requirements for partial tension (40% of conductor breaking strength) splicing per ANSI C119.4, Class 2

**Material:** Aluminum

**Note:** Refer to type PTA partial tension sleeves for AAC application only.

## Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE		CONVENTIONAL DIES			DIELESS TOOL: ANDERSON	L LENGTH INCHES (MM)	APPROX. WT. 100 LBS. (KG)
	TYPES & SIZES	INCHES (MM)	BURNDY INDEX	KEARNEY REF.	EEI DIES			
PTR25	2 ACSR (7/1) 2 ACSR (6/1) 2 AAAC (7) 2 AAC (7)	.268-.325 (6.80-8.25)	C, 167, 247 or 702	737 or 747	10A	VC6 (ALL)	5.00 (127)	22 (10)
PTR10	1/0 ACSR (6/1) 1/0 AAAC (7) 1/0 AAC (7)	.338-.398 (8.58-10.10)	C, 167, 660 247 or 702	737 or 747	10A	VC6 (ALL)	6.25 (159)	25 (11)
PTR205	2/0 ACSR (6/1) 2/0 AAAC (7) 2/0 AAC (7)	.381-.447 (9.67-11.35)	659	3/4	—	VC6 (ALL)	5.62 (143)	25 (11)
PTR30	3/0 ACSR (6/1) 3/0 AAAC (7) 3/0 AAC (7)	.426-.503 (10.82-12.77)	658	840	11A	VC6 (ALL)	5.25 (133)	25 (11)
PTR40	4/0 ACSR (6/1) 4/0 AAAC (7) 4/0 AAC (7)	.480-.565 (12.19-14.35)	654	1.00 1-2	12A	VC6 (ALL)	5.25 (133)	34 (15)
PTR336	336.4 ACSR (18/1) 336.4 AAC (19)	.607-.684 (15.41-17.37)	655	1-1/8-1 or 1-1/8-2	13A	VC6-3 VC6-FT	5.25 (133)	37 (17)
PTR477	447 ACSR (18/1) 477 & 500 AAC	.754-.814 (19.15-20.67)	720	1-5/16	15A	VC8	9.00 (227)	86 (39)
PTR795	795 ACSR (36/1) 795 AAC Rd. Str.	.997-1.042 (25.32-26.46)	342	1-1/2	—	VC8	11.00 (279)	143 (65)



# OVERHEAD LINE SPLICES COMPRESSION FULL TENSION SPLICES-AAC

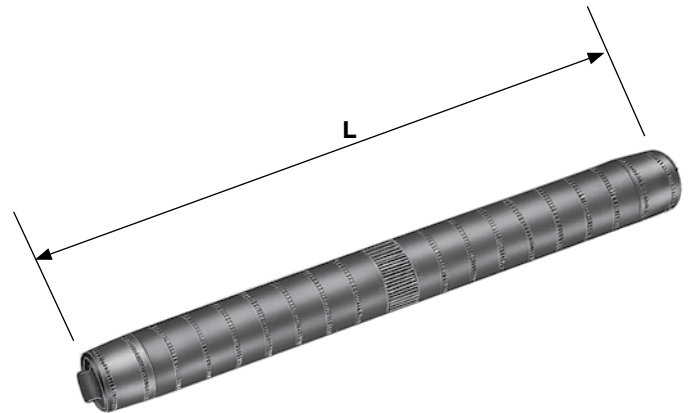
ALUMINUM
FTA

- Positive center stop and tapered ends
- Installed with popular compression tools and dies from several manufacturers, or VERSA-CRIMP® die-less system
- Prefilled with tension joint compound
- Meets industry requirements for full tension (95% of conductor breaking strength) splicing per ANSI C119.4, Class 1

**Material:** Aluminum

**Note:** Refer to type FTR—full tension sleeves for splicing higher strength alloyed aluminum conductors and single core ACSR.

FTR splices may also substitute for FTA splice installations.



DB  
17

## Product Data & Conductor Size

CATALOG NUMBER	(1) CONDUCTOR RANGE		CONVENTIONAL DIES			L LENGTH INCHES (MM)	APPROX. WT. 100 LBS. (KG)
	ALUMINUM	INCHES (MM)	BURNDY INDEX	KEARNEY REF.	EEI DIES		
FTA10	1/0 (7, 19) Str.	.336-.373 (8.53-9.47)	BG, 243	5/8 5/8-1	8A	7.25 (184)	16 (7)
FTA20	2/0 (7, 19) Str.	.376-.419 (9.55-10.64)	245	5/8 5/8-1	9A	9.25 (234)	25 (11)
FTA40	4/0 (7, 19) Str.	.475-.528 (12.06-13.41)	249	840	11A	10.50 (266)	40 (18)
FTA337	336.4 19 or 37 Str.	.603-.666 (15.31-16.91)	321, 705, 655	1-1/8-1 1-1/8-2	—	9.87 (251)	58 (26)
FTA350	350 19, 36, 61 Str.	.616-.681 (15.64-17.29)	490, 547	1-1/8-1 1-1/8-2	—	11.00 (279)	70 (32)
FTA397	397.5 19 Str.	.659-.724 (16.73-18.38)	468, 655	1-1/8-1 1-1/8-2	13A	12.25 (311)	84 (38)
FTA477	477 or 500 19 or 37 Str.	.722-.814 (18.33-20.68)	317, 327, 426	1-1/8-2	14A	12.75 (324)	113 (51)
FTA556	556.5 19 or 37 Str.	.780-.858 (19.81-21.79)	261, 318	1-5/16	15A	12.75 (324)	138 (63)
FTA795*	750-800 37 or 61 Str.	.998-1.031 (23.67-26.18)	342	1-1/2 1-5/8	—	13.62 (346)	199 (90)

(1) Compact strand sizes within the O.D. inch range may be used.

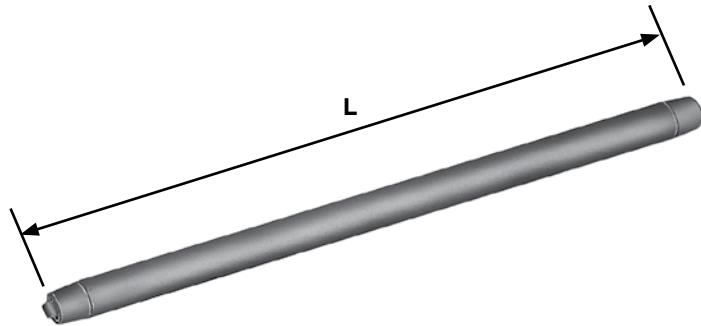
\*Consult factory; FTR795 option also available.



# OVERHEAD LINE SPLICES COMPRESSION FULL TENSION “JIFFY SPLICES” – ACSR (and AAC)

ALUMINUM
FTR

DB  
18



- Positive center stop and tapered ends
- Installed with popular compression tools and dies from several manufacturers
- Prefilled with tension joint compound
- Meets industry requirements for full tension (95% of conductor breaking strength) splicing per ANSI C119.4, Class 1

**Material:** Aluminum

**Note:** Refer to type FTA—full tension sleeves for AAC application only.

## Product Data & Conductor Size

CATALOG NUMBER	(1) CONDUCTOR RANGE		CONVENTIONAL DIES			L LENGTH INCHES (MM)	APPROX. WT. 100 LBS. (KG)
	TYPES & SIZES	INCHES (MM)	BURNDY INDEX	KEARNEY REF.	EEI DIES		
FTR4**	4 ACSR (7/1) 4 ACSR (6/1) 4 AAAC (7) 4 AAC (7)	.182-.257 (4.62-6.52)	BG, 243 or 687	5/8 5/8-1 or 635	8A	12.00 (305)	37 (17)
FTR2**	2 ACSR (6/1) 2 AAAC (7) 2 AAC (7)	.268-.325 (6.80-8.25)					
FTR25**	2 ACSR (7/1) 2 ACSR (6/1) 2 AAAC (7) 2 AAC (7)	.268-.325 (6.80-8.25)	C 167, 247, 702	737 747	10A	13.00 (330)	56 (25)
FTR10**	1/0 ACSR (6/1) 1/0 AAAC (7) 1/0 AAC (7)	.338-.398 (8.58-10.10)					
FTR205**	2/0 ACSR (6/1) 2/0 AAAC (7) 2/0 AAC (7)	.381-.447 (9.67-11.35)	659	781 or 3/4	—	16.00 (406)	70 (32)
FTR30**	3/0 ACSR (6/1) 3/0 AAAC (7) 3/0 AAC (7)	.426-.503 (10.82-12.77)	658	840	11A	18.25 (468)	88 (40)
FTR40**	4/0 ACSR (6/1) 4/0 AAAC (7) 4/0 AAC (7)	.480-.565 (12.19-14.35)	654	1.00 or 1-2	12A	18.50 (470)	120 (54)
FTR336	336.4 ACSR (18/1) 336.4 AAC (19)	.607-.684 (15.41-17.37)	655	1-1/8-1 or 1-1/8-2	13A	19.25 (489)	137 (62)
FTR397	397.5 ACSR (18/1) 350 & 397.5 AAC	.681-.743 (17.29-18.87)	327		14A	22.00 (559)	154 (70)
FTR477	477 ACSR (18/1) 447 & 500 AAC	.754-.814 (19.15-20.67)	720	1-5/16	15A	23.00 (582)	220 (100)
FTA795	795 ACSR (36/1) 795 AAC	.997-1.042 (25.32-26.46)	342	1-1/2	—	25.00 (635)	325 (147)

(1) Compact and 5005 cable sizes within the O.D. range may be used.

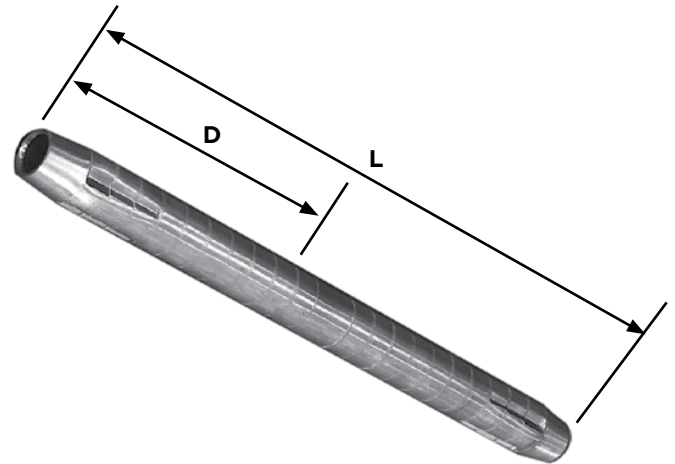
\*\*RUS Listed



# VERSA-CRIMP® ALUMINUM COMPRESSION SPLICE TYPES VC-A, VC-AR, VC-R FULL TENSION-AAC and ACSR

ALUMINUM  
VCA, VCAR,  
VCR

- ANSI C119.4, full tension, Class 1 connector (95% of conductor breaking strength)
- For use with VERSA-CRIMP® tools only
- For aluminum, single core ACSR, 5005, 6201 and compact conductor splicing
- Compressed (compact) conductor sizes within the same decimal conductor range are recommended.
- One piece splice eliminates cutting back the aluminum strands on ACSR conductors, except on VC90R which requires the outside layer (aluminum strands) to be cut back 5" on each side.



**Material:** Body - Aluminum Alloy  
Factory inhibited

DB  
19

## Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE - VERSA CRIMP TOOLS			VERSA-CRIMP TOOL TYPE Δ	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	AAC	ACSR	5005 OR AAAC (6201)		L	D	
VC36R**	#4 (19), #4 (7), #2 (7)	#4 (7/1, 6/1), #2 (7/1, 6/1)	48.69 (7), 77.47 (7)	VC6 (ALL)	13-1/8 (333.4)	6-1/2 (165.1)	.32 (.14)
VC410A	#4 (7), #2 (7), 1/0 (7)	—	—		6-1/4 (158.8)	3-1/16 (77.8)	.16 (.07)
VC44R	#2 (7), 1/0 (19), 1/0 (7)	#2 (7/1, 6/1), 1/0 (6/1)	77.47 (7), 123.3 (7)		15-7/8 (403.2)	7-7/8 (200.0)	.55 (.25)
VC50R**	#2 (7), 1/0 (19.7), 2/0 (19.7)	#2 (6/1, 7/1), 1/0 (6/1), 2/0 (6/1)	123.3 (7), 155.4 (7)		17-1/4 (438.2)	8-9/16 (217.5)	.65 (.29)
VC58A	1/0 (7), 2/0 (7), 3/0 (7), 4/0 (7)	—	—		7-5/8 (193.7)	3-3/4 (95.3)	.35 (.16)
VC61R**	1/0 (19.7), 2/0 (7), 3/0 (7), 4/0 (7)	1/0 (6/1), 2/0 (6/1), 3/0 (6/1), 4/0 (6/1)	155.4 (7), 195.7 (7), 246.9 (7)		19-7/8 (504.8)	9-3/4 (247.7)	1.1 (.50)
VC70A	4/0 (7), 266.8 (19.7), 336.4 (19)	—	—		9 (228.6)	4-7/16 (112.7)	.48 (.22)
VC80R**	4/0 (7), 226.8 (19.7), 336.4 (19), 397.5 (19)	4/0 (6/1), 226.8 (18/1), 336.4 (18/1), 397.5 (18/1)	—		22-7/8 (581.0)	11-3/8 (288.9)	1.6 (.72)
VC85A	336.4 (19), 397.5 (19), 477 (37.19)	—	—		11-3/4 (298.5)	5-13/16 (147.6)	.81 (.37)
VC90R	—	397.5 (18/1), 477 (18/1)	—		22-7/8 (581.0)	11-3/8 (288.9)	1.7 (.77)
*VC813AR	—	—	652.4 (19), 740.8 (37)	VC8	21-5/8 (549.3)	10-3/4 (273.0)	2.5 (1.13)

\* Three end crimps are factory formed to minimize vibration damage to conductor.

\*\* RUS Listed

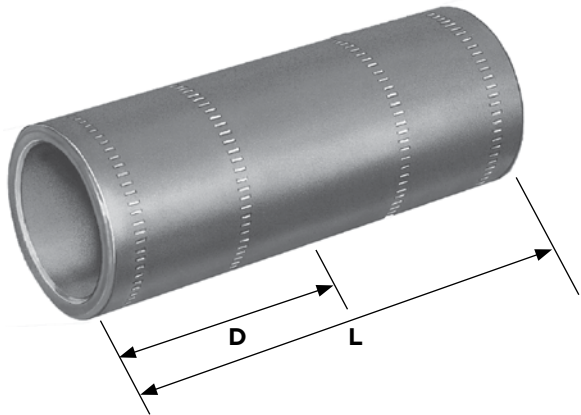
Δ For VC6350/VC6500 connector and conductor recommendations, see application label in top of tool case.



# OVERHEAD LINE SPLICES-CU COMPRESSION VERSAtile™ COMPRESSION SPLICE MINIMUM TENSION

COPPER
VHSS

DB  
20



### STANDARD LENGTH

- ANSI C119.4, minimum tension, Class 3 connector (5% of conductor breaking strength)
- For use with either VERSA-CRIMP® or conventional compression tools
- For copper stranded conductor, only
- Color coded bands for easy die selection

**Material:** Copper—Tin plated



## Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)	I.D. (INCHES)	
	CONVENTIONAL WIRE SIZE	VERSA-CRIMP SYSTEM RANGE		L	D			
VHSS4	#4 Str.	#4 Str.	VC6350 VC6500	1-3/4 (44.45)	13/16 (20.64)	.026 (.01)	.246	
VHSS2	#2 Str.	#6-#2 Str.	VC6 (ALL)  VC7 (ALL)	1-7/8 (47.62)	7/8 (22.22)	.04 (.018)	.306	
VHSS10	1/0 Str.	#6-1/0 Str.		1-7/8 (47.62)	7/8 (22.22)	.057 (.025)	.393	
VHSS20	2/0 Str.	#4-2/0 Str.		2 (50.8)	15/16 (23.81)	.065 (.029)	.443	
VHSS30	3/0 Str.	#2-3/0 Str.		2-1/8 (53.98)	1 (25.4)	.094 (.042)	.490	
VHSS40	4/0 Str.	#1-4/0 Str.		2-1/8 (53.98)	1 (25.4)	.094 (.042)	.547	
VHSS250	250 MCM	1/0-250 MCM		2-1/4 (57.15)	1-1/16 (26.97)	.12 (.054)	.595	
VHSS300	300 MCM	2/0-300 MCM		2-1/4 (57.15)	1-1/16 (26.97)	.14 (.063)	.650	
VHSS350	350 MCM	3/0-350 MCM		VC6-3 VC7	2-3/8 (60.32)	1-1/8 (28.58)	.17 (.077)	.700
VHSS400	400 MCM	4/0-400 MCM		VC6FT VC7FT	2-1/2 (63.5)	1-3/16 (30.16)	.31 (.14)	.762
VHSS500	500 MCM	4/0-500 MCM		VC8**	2-7/8 (73.02)	1-3/8 (34.92)	.32 (.14)	.834
VHSS750	750 MCM	500-750 MCM	VC6FT VC7FT VC8**	3-3/8 (85.72)	1-5/8 (41.28)	.54 (.24)	1.030	

Refer to page DB-25 for recommended tool and die information.

\*\*Type VC8 compression tool crimping range is 500-1500 MCM Cu.

HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL, VACL, VHCL, VHCS and VCELC) are rated at 34.5 kV. The other U.L. listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 kV subject to manufacturers' limitations for insulation material. For further information, contact factory.

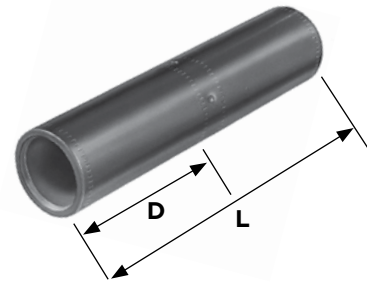


# OVERHEAD LINE SPLICES-CU COMPRESSION, VERSAtile™ SPLICE MINIMUM TENSION, HEAVY DUTY LENGTH

COPPER
VHS

- ANSI C119.4, minimum tension, Class 3 connector (5% of conductor breaking strength)
- For use with either VERSA-CRIMP® or conventional compression tools
- For copper stranded conductor, only
- Color coded bands for easy die selection

**Material:** Copper—Tin plated



DB  
21

## Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)	I.D. (INCHES)	
	CONVENTIONAL WIRE SIZE	VERSA-CRIMP SYSTEM RANGE		L	D			
VHS6**	#6 Str.	#6 Str.	VC6350 VC6500	2-3/8 (60.32)	1-1/8 (28.58)	.03 (.01)	.198	
VHS4**	#4 Str.	#4 Str.		2-3/8 (60.32)	1-1/8 (28.58)	.03 (.01)	.246	
VHS2**	#2 Str.	#6-#2 Str.	VC6 (ALL) VC7 (ALL)	2-3/8 (60.32)	1-1/4 (31.75)	.05 (.02)	.306	
VHS1**	#1 Str.	#6-#1 Str.		2-7/8 (73.02)	1-3/8 (34.92)	.06 (.027)	.358	
VHS10**	1/0 Str.	#6-1/0 Str.		2-7/8 (73.02)	1-3/8 (34.92)	.08 (.036)	.393	
VHS20**	2/0 Str.	#4-2/0 Str.		3-1/8 (79.38)	1-1/2 (38.1)	.09 (.04)	.443	
VHS30**	3/0 Str.	#2-3/0 Str.		3-1/8 (79.38)	1-1/2 (38.1)	.11 (.05)	.490	
VHS40**	4/0 Str.	#1-4/0 Str.		3-3/8 (85.72)	1-5/8 (41.28)	.15 (.068)	.547	
VHS250**	250 MCM	1/0-250 MCM		3-3/8 (85.72)	1-5/8 (41.28)	.18 (.082)	.595	
VHS300**	300 MCM	2/0-300 MCM		4-1/8 (104.78)	2 (50.8)	.25 (.11)	.650	
VHS350**	350 MCM	3/0-350 MCM		VC6-3 VC7	4-1/8 (104.78)	2 (50.8)	.29 (.13)	.700
VHS400**	400 MCM	4/0-400 MCM		VC6FT VC7FT	4-3/8 (111.12)	2-1/8 (53.98)	.37 (.17)	.762
VHS500**	500 MCM	4/0-500 MCM	VC7FT VC8***	4-5/8 (117.48)	2-1/4 (57.15)	.50 (.23)	.834	
VHS600**	600 MCM	250-600 MCM	VC6FT VC7FT	5-1/2 (139.7)	2-11/16 (68.26)	.78 (.35)	.923	
VHS750**	750 MCM	500-750 MCM	VC8***	5-7/8 (149.22)	2-7/8 (73.02)	.94 (.43)	1.030	
VHS1000**	1000 MCM	750-1000 MCM	VC8***	6-1/8 (155.58)	3 (76.2)	1.30 (.59)	1.172	

Refer to page DB-26 for recommended tool and die information.

\*\* RUS Listed

\*\*\* Type VC8 tool crimping range is 500-1500 MCM Cu.

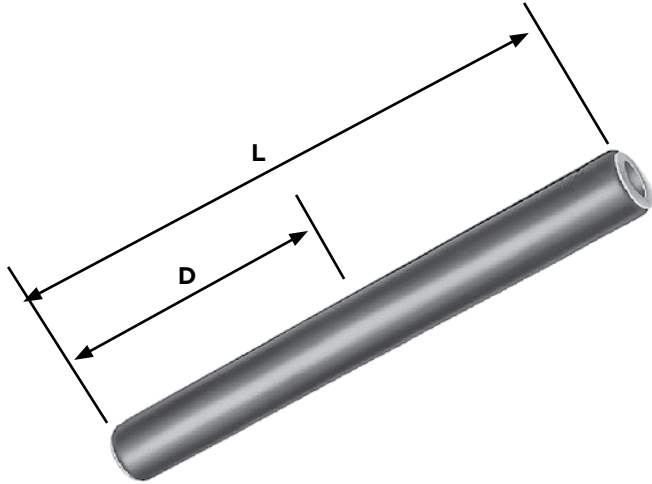
HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL, VACL, VHCL, VHCS and VCELC) are rated at 34.5 KV. The other U.L. listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 KV subject to the manufacturers' limitations and recommendations for the insulation material. For further information, contact factory.



# OVERHEAD LINE SPLICES— COPPER COMPRESSION VERSA-CRIMP® COMPRESSION SPLICE FULL TENSION - COPPER (RANGE TAKING)

COPPER
VCC

DB  
22



- ANSI C119.4, full tension, Class 1 connector (95% of conductor breaking strength)
- For use with VERSA-CRIMP® Type VC6 and VC7 series tools, only
- For copper and copperweld conductors and compact sizes within concentric wire ranges are recommended.

**Material:** Body - Copper  
Factory inhibited

## Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)	I.D. (INCHES)
	COPPER	COPPERWELD		L	D		
VCC28**	#6 (7, 1), #5 (7, 1) #4 (7, 1)	8A, 7A, 6A	VC6 (ALL)  VC7 (ALL)	4-5/8 (117.5)	2-1/4 (57.2)	.16 (.07)	.281
VCC37**	#2 (7, 1), #1 (7)	4A		5-7/8 (149.2)	2-7/8 (73.0)	.32 (.14)	.375
VCC42	#1 (7, 19), 1/0 (7, 19)	2A, 1/0F		8-3/8 (212.7)	4-1/8 (104.8)	.72 (.33)	.421
VCC46**	1/0 (7, 19), 2/0 (7, 19)	—		8-3/8 (212.7)	4-1/8 (104.8)	.76 (.34)	.468
VCC57	3/0 (7, 19), 4/0 (7, 19)	—		8-3/8 (212.7)	4-1/8 (104.8)	.95 (.43)	.578

\*\*RUS Listed



VACL/VACS/VACT—Anderson/Burndy

CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)																	
ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)																	
Catalog Number VACL (3) VACS (4) VACT (4)	VERSACRIMP TOOLS (Number of Crimps)				Wire Size (AWG or MCM)	Die Color Code (2)	Burndy (Crimps)										
	V-C Tools Wire Range (AWG or MCM)	*VC6 500	VC6 350	VC6 FT (1)			VC8 AL NIBS	Die Index No.	Tool Y34A Die	Tools Y35 Y39 Die	Tool Y34B Die	Tool Y48B Die	Tool Y486RB Die	Tool MY- 29 Die	Tool Y34A (Inden- tor) Nest	Tool Y34B (Inden- tor) Nest	Tool Y48B (Inden- tor) Nest
-8	#8 AL/CU	1	1		#8 AL/CU	Blue	374	U8CABT (2)									
-6	#6 AL/CU	1	1		#6 AL/CU	Gray	346	U6CABT (1)	B6CD								
-4	#4 AL/CU	2	2		#4 AL/CU	Green	375	U4CABT (1)	B4CD	C4CAB (1)							
-2	#6-#2 AL/CU	2	2	2	#2 AL/CU	Pink	348	U2CABT (1)	B2CD								
-1	#8-#1 AL/CU	2	2	2	#1 AL/CU	Tan	296	U25ART (1)	B1CD								
-1/0	#8-1/0 AL/CU	2	2	2	1/0 AL/CU	Tan	296	U25ART (1)	B25D								
-2/0	#4-2/0 AL/CU	2	2	2	2/0 AL/CU	Olive	297	U26ART (2)	B26D								
-3/0	#4-3/0 AL/CU	2	2	2	3/0 AL/CU	Ruby	467	U27ART (2)	B27D								
-4/0	#2-4/0 AL/CU	3	3	2	4/0 AL/CU	White	298	U28ART (2)	B28D								
-250	1/0-250 AL/CU	3	3	2	250 AL/CU	Red	324	U29ART (2)	B29D								
-300	1/0-300 AL/CU	3	3	2	300 AL/CU	Blue	470	U30ART (2)	B30D								
-350 (1)	2/0-350 AL/CU	4		3	350 AL/CU	Brown	299	U31ART (2)	B31D								
-400 (1)	3/0-400 AL/CU	5		4	400 AL/CU	Green	472	U32ART (4)	B32D								
-500 (1)	4/0-500 AL/CU	7		4	500 AL/CU	Green	472	U32ART (4)	No Die Required (2)								
-600	350 - 600 AL 350 - 500 CU			4	600 AL	Pink	300	U34ART (4)									
-750	500 - 750 AL 500 CU			4	750 AL	Pink	300	U34ART (4)									
-1000	750-1000 AL			3	1000 AL	Brown	302										

+ TBM-8 Tool ONLY

★ Anderson HC-12 Dies, Burndy's Y-35 Dies and Blackburn's JB-12 Dies are interchangeable.

(1) "VACL" Lug sizes -350 to -500 take 1 less crimp (VC6 Tools) than shown.

(2) Color code is for Anderson and Burndy dies only. Use the recommended die number (NOT die color) for Blackburn, Kearney & T&B Hyd. Tools/Dies.

(3) The "VACL" lugs are qualified for UL "HV" applications.

(4) The "VACS" sleeves and "VACT" tee connectors are for AL to AL or AL to CU connections ONLY. (NOT for CU to CU connections).

\* Not UL Listed-pending completion of test.





VACL/VACS/VACT—Anderson/Others

ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)										CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)									
Catalog Number VACL (3) VACS (4) VACT (4)	V-C Tools Wire Range (AWG or MCM)	VERSA-CRIMP Tools (Number of Crimps)				Wire Size (AWG or MCM)	Die Color Code (2)	Blackburn (Crimps)		Kearney (Crimps)			Thomas & Betts (Crimps)						
		*VC6 500	VC6 350	VC6 FT (1)	VC8 AL NIBS			Tool OD-58 JB-12A	Die	Tool Color	Die	O-52	WH-1 PH-1	WH-2 PH-2	Tools TBM5 TBM8	Die	12 Ton Hyd. Tool	15 Ton Hyd. Tool	
-8	#8 AL/CU	1	1			#8 AL/CU	Blue (1)	BY17C (2)	B73CH (1)	1/4	(2)	Blue (1)	24 (1)	24 (1)					
-6	#6 AL/CU	1	1			#6 AL/CU	Gray (2)	BY19C (3)	B74CH (1)	5/16	(3)	Gray (2)	29 (2)	29 (2)					
-4	#4 AL/CU	2	2			#4 AL/CU	Green (3)	BY21C (3)	U4CABT * (1)	3/8	(3)	Green (2)	37 (2)	37 (2)					
-2	#6-#2 AL/CU	2	2	2	2	#2 AL/CU	Pink (4)	BY23C (4)	B06CH (1)	1/2	(3)	Pink (2)	45 (2)	45 (2)					
-1	#8-#1 AL/CU	2	2	2	2	#1 AL/CU	Tan (5)	BY23C (4)	U25ART * (1)	9/16	(4)	Tan (2)	50 (2)	50 (2)					
-1/0	#8-1/0 AL/CU	2	2	2	2	1/0 AL/CU	Tan (6)	BY25C (4)	U25ART * (1)	9/16	(4)	Tan (2)	50 (2)	50 (2)					
-2/0	#4-2/0 AL/CU	2	2	2	2	2/0 AL/CU	Olive (7)	BY31C (4)	B09CH (2)	5/8-1	(4)	Olive (2)	54 (1)	54H (2)					
-3/0	#4-3/0 AL/CU	2	2	2	2	3/0 AL/CU	Ruby (8)	BY27C (5)	B26CH (2)	11/16	(5)	Ruby (2)	62 (1)	62 (1)					
-4/0	#2-4/0 AL/CU	3	3	2	2	4/0 AL/CU	White (9)	BY35C (5)	B10CHI (2)	781	(5)	+White (4)	71H (3)	71H (3)					
-250	1/0-250 AL/CU	3	3	2	2	250 AL/CU	Red (10)	BY37C (5)	B11CH (2)	840	(5)	+Red (5)	76H (3)	76 (2)					
-300	1/0-300 AL/ CU	3	3	2	2	300 AL/CU	Blue (11)		B61EA (1)	29/32	(2)	+Blue (5)	87H (3)	87H (3)					
-350 (1)	2/0-350 AL/ CU	4	3	3	3	350 AL/CU	Brown (12)		B12CHI (2)	1-1/8-1	(2)	+Brown (5)	94H (3)	94H (3)					
-400 (1)	3/0-400 AL/ CU	5	4	4	4	400 AL/CU	Green (13)		B80EA (2)	1-1/8-1	(2)		99H (3)	99H (3)					
-500 (1)	4/0-500 AL/ CU	7	4	4	4	500 AL/CU	Green (14)		B80EA (3)	1-1/8-2	(2)		96H (4)	96H (4)					
-600	350 - 600 AL 350 - 500 CU			4	3	600 AL	Pink (15)		B20AH (3)	1-5/16	(4)		106H (5)	106H (5)					
-750	500 - 750 AL 500 CU			4	3	750 AL	Pink (16)		B20AH (3)	1-5/16	(4)		106H (5)	106H (5)					
-1000	750-1000 AL				3	1000 AL	Brown (17)												

\* TBM-8 Tool ONLY  
 \* Anderson HC-12 Dies, Burndy's Y-35 Dies and Blackburn's JB-12 Dies are interchangeable.  
 (1) "VACL" Lug sizes -350 to -500 take 1 less crimp (VC6 Tools) than shown.  
 (2) Color code is for Anderson and Burndy dies only. Use the recommended die number (NOT die color) for Blackburn, Kearney & T&B Hyd. Tools/Dies.  
 (3) The "VACL" lugs are qualified for UL "HV" applications.  
 (4) The "VACS" sleeves and "VACT" tee connectors are for AL to AL or AL to CU connections ONLY. (NOT for CU to CU connections).  
 \* Not UL Listed-pending completion of test.



**VHSS & VHCS**

ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)		CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)												Conductor Insulation Strip Lengths (Min.) (ft)						
		ANDERSON™ VERSA-CRIMP® TOOLS (Number of Crimps)						BURNDY LONGITUDINAL INDENT (Crimps)							KEARNEY (Crimps)		THOMAS & BETTS (Crimps)			
		V-C Tools Wire Range AWG or MCM Stranded Copper Only	*VC6 -500	VC6 -350	VC6 (1)	VC6 FT	VC7 FT	VC8 AL NIBS	Copper Wire Size AWG or MCM STR	Die Color Code	Burndy (Crimps) Tool MY29-3 Nest Setting	Tool Y34PR Nest	Tool Y34B Indentor Y34PR Nest		Tool Y44B Indentor Y44PR Nest	Tool Y48RB Indentor Y48PR Nest	Tool Y35 Y39 Y45†	Tools "O" Die	Tools "WH" Die	Tools TBM5 TBM8 Die
-6	1	1	1				#6	Blue	#6 (1)	A6CD (1)	B6CD (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U5CRT (1)				Blue (2)	24 (1)	15/16"
-4	1	1					#4	Gray	#4 (1)	A4CD (1)	B4CD (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U4CRT (1)	5/16 (3)	5/16 (1)		Gray (2)	29 (1)	15/16"
-2	1	1	1	1	1		#2	Brown	#2 (1)	A2CD (1)	B2CD (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U2CRT (1)	3/8 (3)	3/8 (1)		Brown (2)	33 (1)	1"
-1	1	1	1	1	1		#1	Green	#1 (1)	A1CD (1)	B1CD (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U1CRT (1)				Green (2)	37 (1)	1"
-1/0	1	1	1	1	1		1/0	Pink	1/0 (1)	A25D (1)	E25D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U25RT (1)	1/2 (3)	1/2 (1)		Pink (2)	42H(2)	1"
-2/0	1	1	1	1	1		2/0	Black	2/0 (1)	A26D (1)	B26D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U26RT (1)	9/16 (3)	9/16 (1)		Black (2)	45 (1)	1-1/16"
-3/0	2	2	2	2	2		3/0	Orange	3/0 (1)	A27D (1)	B27D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U27RT (1)	9/16 (3)	9/16 (1)		Orange (2)	50 (1)	1-1/8"
-4/0	2	2	2	2	2		4/0	Purple	4/0 (1)	A28D (1)	B28D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U28RT (1)	5/8-1 (3)	5/8-1 (1)		Purple (2)	54 (1)	1-1/8"
-250	2	2	2	2	2		250	Yellow	250 (1)	A29D (1)	B29D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U29RT (1)	11/16 (3)	11/16 (1)		Yellow (2)	60(1)	1-3/16"
-300	2	2	2	2	2		300	White		A30D (1)	B30D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U30RT (1)	7/8 (3)	7/8 (1)		+White (2)	66H(2)	1-3/16"
-350	3	3	3	3	3		350	Red		A31D (1)	B31D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U31RT (1)	8/40 (3)	8/40 (1)		+Red (2)	71H(2)	1-1/4"
-400	3	3	3	3	3		400	Blue		A32D (1)	B32D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U32RT (1)				+Blue (2)	76H(2)	1-5/16"
-500	4	4	4	4	4		500	Brown		A34D (1)	No Die Required (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U34RT (2)		1 or 1-2 (2)	O/lap	+Brown (2)	87H(2)	1-1/2"
-600		2	2	2	2		600	Green		E36D (1)	C36D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	U36RT (2)					94H(2)	1-1/2"
-750		3	3	3	3		750	Black		E39D (1)	C39D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	F39D (1)					106H(2)	1-3/4"
-800							800			E40D (1)	C40D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	F40D (1)					107H(2)	1-3/4"
-1000							1000			No Die Required (1)	C44D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	F44D (1)					125H(2)	2"
-1500							1500				C46D (1)	Y44B Indentor Y44PR Nest	Y48RB Indentor Y48PR Nest	F46D (1)					125(1)	2-1/8"

+ TBM-8 ONLY  
 † Burndy Y45 head requires an adapter for use with "U" series dies.  
 (1) Users of VC6 and VC7 tools must strip off an extra 1-5/8" of insulation from one end of cable to permit removal of tool over conductor sizes 250 MCM and larger on "VHSS" sleeves.  
 (2) VC8 tool crimps 500-600 MCM ONLY.  
 (3) VC8 tool crimps 500-600 MCM ONLY.  
 \* Not UL Listed-pending completion of test.



VHS & VHCL

CONVENTIONAL COMPRESSION DIE TOOLING  
(Crimps per Connection)

Catalog Number VHS VHCL	ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)										CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)										Thomas & Betts (Crimps)		Conduc- tor Insulation Strip Lengths (Min.) (1)	
	V-C Tools Wire Range AWG or MCM Stranded (Copper Only)					VERSACRIMP® Tools (Number of Crimps)					Copper Wire Size AWG or MCM STR	Die Color Code	Burdny (Crimps)		Burdny Longitudinal Indent (Crimps)					Kearney (Crimps)		Hyd. Tools 12, 15 20 & 40 Ton		
	*VC6 -500	VC6 (1)	VC6 -350	VC6 FT	VC7 FT	VC8 AL NIBS	Tool Y34A Inden- tor Y34PR	Nest	Tool Y34B Inden- tor Y34PR	Nest			Tool Y44B Inden- tor Y44PR	Nest	Tool Y48B Inden- tor Y48PR	Nest	Tool Y35 Y39 Y45†	Tools "O"	Die	Tools TBM5 TBM8	Die			
-6	#6	2	2							#6	A6CD (1)	B6CD (1)			U5CRT (2)		Blue (2)	24 (1)	1-1/4"					
-4	#4	2	2							#4	A4CD (1)	B4CD (1)			U4CRT (2)	5/16 (5)	Gray (2)	29 (1)	1-1/4"					
-2	#6-#2	2	2	2	2	2	2	2	2	#2	A2CD (1)	B2CD (1)			U2CRT (2)	3/8 (5)	Brown (2)	33 (1)	1-3/8"					
-1	#6-#1	3	3	2	2	2	2	2	2	#1	A1CD (1)	B1CD (1)			U1CRT (1)		Green (2)	37 (1)	1-1/2"					
-1/0	#6-1/0	3	3	2	2	2	2	2	2	1/0	A25D (1)	B25D (1)			U25RT (2)	1/2 (5)	Pink (2)	42H(2) 42(1)	1-1/2"					
-2/0	#4-2/0	3	3	2	2	2	2	2	2	2/0	A26D (1)	B26D (1)			U26RT (2)	9/16 (5)	Black (2)	45 (1)	1-5/8"					
-3/0	#2-3/0	3	3	2	2	2	2	2	2	3/0	A27D (1)	B27D (1)			U27RT (2)	9/16 (5)	Orange (2)	50 (1)	1-5/8"					
-4/0	#1-4/0	3	3	2	2	2	2	2	2	4/0	A28D (1)	B28D (1)			U28RT (2)	5/8-1 (5)	Purple (2)	54 (1)	1-3/4"					
-250	1/0-250	3	3	2	2	2	2	2	2	250	A29D (1)	B29D (1)			U29RT (2)	11/16 (5)	Yellow (2)	60(1) 62(1)	1-3/4"					
-300	2/0-300	4	4	3	3	3	3	3	3	300	A30D (1)	B30D (2)			U30RT (2)	7/8 (5)	+White (4)	66H(4) 66(2)	2-1/8"					
-350	3/0-350	5	5	3	3	3	3	3	3	350	A31D (2)	B31D (2)			U31RT (2)	840 (5)	+Red (4)	71H(4) 71(2)	2-1/8"					
-400	4/0-400	6	6	3	3	3	3	3	3	400	A32D (2)	B32D (2)			U32RT (2)		+Blue (4)	76H(4) 76(2)	2-1/4"					
-500	4/0-500	6	4	4	4	4	4	4	4	500	A34D (2)	No Die Re- quired (2)			U34RT (4)	1 or 1-2 (3)	+Brown (4)	87H(4) 87(2)	2-3/8"					
-600	250-600				4	4	4	4	4	600		E36D (2)	C36D (2)			U36RT (5)			94H(4) 94(2)	2-13/16"				
-750	500-750				4	4	4	4	4	750		E39D (2)	C39D (2)						106H(4) 106(2)	3"				
-800	500-800								3	800		E40D (2)	C40D (2)						107H(4) 107(2)	3-1/16"				
-1000	750-1000								4	1000		No Die Required (2)	C44D (2)						125H(4) 125(2)	3-1/8"				
-1500	1000-1500								4	1500			C46D (2)							3-5/16"				

+ TBM-8 ONLY  
 † Burdny Y45 head requires an adapter for use with "U" series dies.  
 (1) Users of VC6 and VC7 tools must strip off an extra 1-5/8" of insulation from one end of cable to permit removal of tool over conductor sizes 250 MCM and larger on "VHS" sleeves.  
 (2) VC8 tool crimps 500 MCM ONLY.  
 (3) VC8 tool crimps 500-600 MCM ONLY.  
 \* Not UL Listed-pending completion of test.