



ALUMA-FORM®

# Automatic Splices

## Features of Aluma-Form Automatic Conductor Splice

- Class A Full Tension Automatic Splice per ANSI 119.4
- Suitable for ACSR (6/1), AAAC and AAC Conductors
- Dual indication for full insertion through positive stop and integral contrasting color visual indicator
- 180 deg. vented slots for moisture egress and air circulation
- Corrosion resistant stainless steel spring
- Proprietary inhibitor for corrosion protection
- Metallic components fully coated with oxide inhibitor
- Color coded end caps for easy identification and conductor insertion
- Permanent engraved markings on body for conductor size, diameter, and type.



### **Materials:**

Body – Aluminum

Jaws – Aluminum

Spring – Stainless Steel

Pilot Cup – Stainless Steel

End Cap and Visual Indicator – UV Resistant Plastic



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## Catalog Number and Technical Data Chart

CATALOG NUMBER	ACSR		AAAC		AAC		WIRE DIA		COLOR	LENGTH REF.	DIAMETER
	Max	Min	Max	Min	Max	Min	Max	Min			
ASC42	2 ( 6/1)	4 (6/1)	2	4	2	4	0.325	0.232	RED-ORANGE	11	1
ASC2	2 (6/1)	2 (6/1)	2	2	2	2	0.325	0.325	RED	11	1
ASC4	4 (6/1)	4 (6/1)	4	4	4	4	0.232	0.232	ORANGE	11	1
ASC1020	2/0 ( 6/1)	1/0 (6/1)	2/0	1/0	2/0	1/0	0.447	0.368	YELLOW-GRAY	15	1.28
ASC10	1/0 (6/1)	1/0 (6/1)	1/0	1/0	1/0	1/0	0.368	0.368	YELLOW	15	1.28
ASC20	2/0 ( 6/1)	2/0 ( 6/1)	2/0	2/0	2/0	2/0	0.447	0.447	GRAY	15	1.28
ASC3040	4/0 (6/1)	3/0 (6/1)	4/0	3/0	4/0	3/0	0.592	0.464	PINK-BLACK	18	1.67
ASC30	3/0 (6/1)	3/0 (6/1)	3/0	3/0	3/0	3/0	0.464	0.464	PINK	18	1.67
ASC40	4/0 (6/1)	4/0 (6/1)	4/0	4/0	4/0	4/0	0.592	0.592	BLACK	18	1.67



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Catalog Number	Catalog Number	Conductor	Conductor Rated Breaking Strength (Lbs)
ASC42	ASC4	4 ACST (6/1)	1860
		4 AAC (7)	881
		4 AAAC	1760
	ASC2	2 ACSR (6/1)	2850
		2 AAC (7)	1350
		2 AAAC	2800
ASC1020	ASC10	1/0 ACSR (6/1)	4380
		1/0 AAC (7)	1990
		1/0 AAAC	4460
	ASC20	2/0 ACSR (6/1)	5300
		2/0 AAC (6/1)	2510
		2/0 AAAC	5390
ASC3040	ASC30	3/0 ACSR (6/1)	6620
		3/0 AAC (7)	3040
		3/0 AAAC	6790
	ASC40	4/0 ACSR	8350
		4/0 AAC (7)	3830
		4/0 AAAC	8560



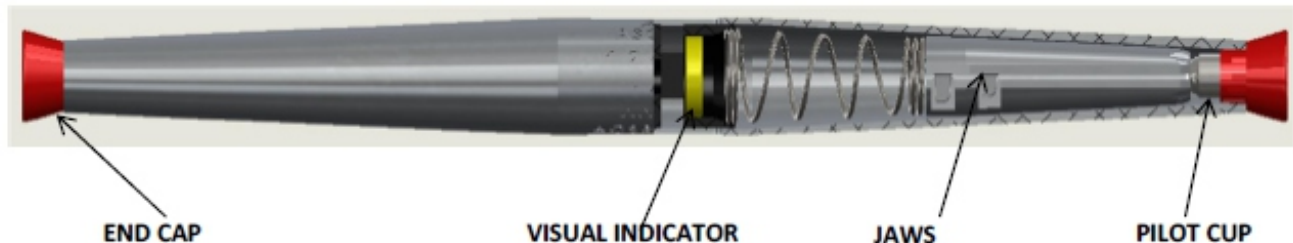
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## INSTALLATION INSTRUCTIONS FULL TENSION AUTOMATIC SPLICE ASC42, ASC1020, ASC3040

### ! CAUTION !

- *Aluma-Form Automatic Conductor Splices shall be installed by personnel with appropriate skills and experience, using appropriate safety practices should be taken at all times.*
- *These instructions are intended to be used as a guide for personal with the appropriate skills and they do not replace appropriate training safety procedures and working experience.*
- *This connector is not recommended for spans with less than 10% RBS*



#### Steps:

1. Select the appropriate connector for the conductor, every connector is marked with its approved range of conductors.
2. Do not open the plastic bag until the product ready for use.
3. Inspect the conductor **AND REMOVE ANY DAMAGE OR OVERHEATED SECTIONS.**
4. Make sure **THE CUT IS EVEN AND THE STRANDS OF THE CONDUCTORS ARE CONCENTRIC, THE CONDUCTOR SHOULD BE STRAIGHT TO AVOID INSERTION PROBLEMS.**
5. Determine how much conductor is needed to perform a full insertion by locating the edge of the conductor at the center of the splice and marking the conductor with a piece of tape or a color marker. **DO NOT INDENT THE CONDUCTOR OR DAMAGE ANY OF THE STRANDS.**
6. Once the conductor is straight, **CLEAN THE CONDUCTOR BY USING A WIRE BRUSH AND ELECTRICAL CONDUCTOR CLEANER** as needed to remove the lubricant used by the manufacture of the conductor. **NEW AND OLD CONDUCTORS MUST TO BE CLEAN.**
7. Locate the edge of the conductor inside the end cap and **CONFIRM ALL STRANDS ARE INSIDE THE PILOT CUP.**
8. **INSERT CONDUCTOR INTO SPLICE UTILIZING A SINGLE MOVEMENT.** Do not insert the conductor partially then try to complete the insertion; this may cause the jaws to set incorrectly with the impression of a full insertion. **IF THE CONDUCTOR IS NOT FULLY INSERTED CORRECTLY THE FIRST TIME, DISREGARD THE CONNECTOR AND USE A NEW CONNECTOR; NEVER TWIST OR HIT THE CONNECTOR IN AN EFFORT TO OBTAIN A FULL INSERTION.**
9. **ONCE THE CONDUCTOR IS FULLY INSERTED, A VISUAL INDICATOR WILL SHOW THROUGH THE CENTER SLOTS OF THE SPLICE HOUSING .**
10. Seat jaws onto conductor by pulling each conductor away from the connector.



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