



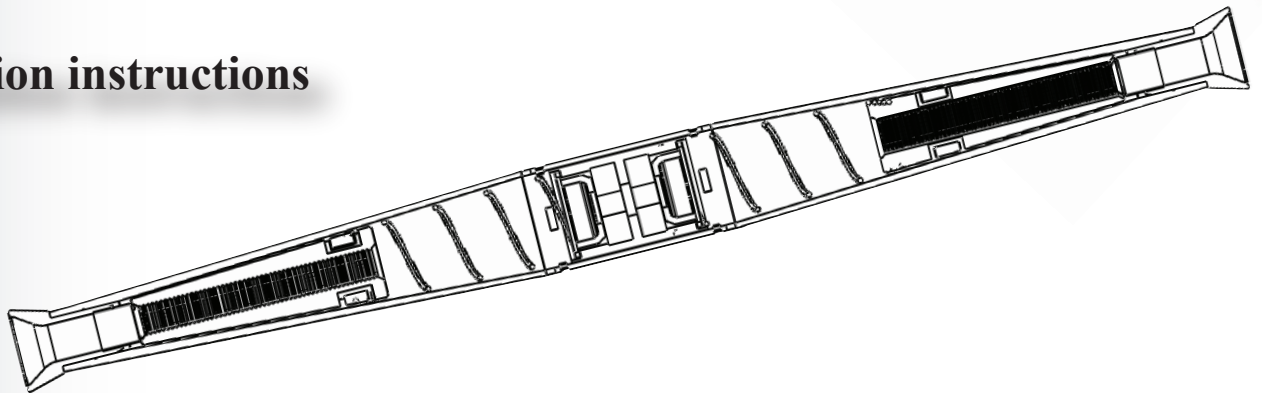
ALUMA-FORM®

AUTOMATIC SPLICES CATALOG

- Features of Automatic Conductor Splices

- Catalog Number and Technical Data Charts

- Installation instructions





ALUMA-FORM® **CONDUCTOR SPLICE**

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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3625 Old Getwell Rd. / Memphis, TN 38118 / P.O. Box 18555 / Memphis, TN 38181-0555 / Phone 901-362-0100 / Fax 901-794-9515

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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)(7/1)	4 (6/1)(7/1)	2	4	2	4	0.325	0.220	ORANGE-RED	11	1.0
ASC4	4 (7/1)	4 (6/1)	4	4	4	4	0.280	0.220	ORANGE	11	1.0
ASC2	2 (7/1)	2 (6/1)	2	2	2	2	0.325	0.280	RED	11	1.0
ASC1020	2/0 (6/1)	1/0 (6/1)	2/0	1/0	2/0	1/0	0.470	0.355	YELLOW-GRAY	15	1.3
ASC10	1/0 (6/1)	1/0 (6/1)	1/0	1/0	1/0	1/0	0.425	0.355	YELLOW	15	1.3
ASC20	2/0 (6/1)	1/0 (6/1)	2/0	2/0	2/0	2/0	0.470	0.400	GRAY	15	1.3
ASC3040	4/0 (6/1)	3/0 (6/1)	4/0	3/0	4/0	3/0	0.592	0.464	PINK-BLACK	18	1.7
ASC30	3/0 (6/1)	3/0 (6/1)	3/0	3/0	3/0	3/0	0.530	0.464	PINK	18	1.7
ASC40	4/0 (6/1)	4/0 (6/1)	4/0	4/0	4/0	4/0	0.592	0.505	BLACK	18	1.7
ASC266336	336.4 (18/1)	266.8 (18/1)	394.5	312.8	397.5	266.8	0.724	0.580	BROWN-GREEN	21	1.9
ASC266	266.8 (18/1)	266.8 (18/1)	312.8	312.8	336.4	266.8	0.666	0.580	BROWN	21	1.9
ASC336	336.4 (18/1)	336.4 (18/1)	394.5	394.5	397.5	336.4	0.724	0.659	GREEN	21	1.9
ASC397477	397.5 (18/1)	477 (18/1)	559.5	394.5	556.5	397.5	0.858	0.720	BLUE	24	2.1
ASC397	397.5 (26/7)	397.5 (18/1)	465.4	394.5	477	397.5	0.795	0.720	BLUE	24	2.1
ASC477	477 (26/7)	477 (18/1)	559.5	465.4	556.5	477	0.858	0.780	WHITE	24	2.1
ASC556795	795 (36/1)	556.5 (18/1)	740.8	652.4	795.0	600	1.040	0.879	NATURAL	24	2.3
ASC556	556.5 (30/7)	556.5 (18/1)	652.4	652.4	650	600	0.953	0.879	NATURAL	24	2.3
ASC636	636 (30/19)	636 (18/1)	740.8	740.8	750	700	1.019	0.940	NATURAL	24	2.3
ASC795	795 (36/1)	795 (36/1)	740.8	740.8	795.0	750	1.040	0.990	NATURAL	24	2.3



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CATALOG NUMBER AND TECHNICAL DATA CHART

Catalog Number	Catalog Number	Conductor	Conductor Rated Breaking Strength (Lbs)
ASC42	ASC4	4 ACST (6/1)	1860
		4 AAC (7)	881
		4 AAC	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

! CAUTION !

- Aluma-Form Automatic Conductor Splices shall be installed by personnel with appropriate skill 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: **END CAP**

VISUAL INDICATOR

JAWS

PILOT CUP

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. Determinate 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 BE CLEANED.
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. Set jaws onto conductor by pulling each conductor away from the connector.



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