

MATERIAL STANDARD

SPLICES, FORMED WIRE FOR ACSR AND ALL-ALUMINUM CONDUCTOR



1. Application

Formed Wire Aluminum Alloy Splices are used to splice all-aluminum conductor, ACSR conductor, or to restore mechanical and electrical properties to damaged aluminum strands of the conductor.

2. Material

The aluminum alloy shall meet the requirements of ASTM B 211, alloy 6061.

3. Construction

The splices shall be helically wound, free of machine marks or surface distortions, and the ends smoothly rounded to protect the conductor and to minimize corona. The splices shall have identifying marks to indicate the proper crossover points. The contact areas of the splices shall be coated with grit particles capable of penetrating oxides and establishing permanent electrical contact.

4. Packaging

The splices shall be packaged in sets, with the container legibly marked with the type, size and quantity of the items contained therein.

5. Reference Specification: ASTM B 211, latest revision.

6. Stock Unit: ST

Stock Number	kcmil	Conductor			Rated Holding Strength as percent of Conductor RBS	Length (+0, -5), in.	Rods		Approved Manufacturers	
		Code Name	Strands	Diameter, in.			Number	Sets of	Dulmison/ Tyco	Pre-formed
659195	397.5	Chickadee	18/1	0.743	75	79	10	3,3,4	ALS 1855	LS-0141
012592	397.5	Ibis	26/7	0.783	50	83	-	-	ALS 1935	LS-0142
659197	795	Arbutus	37/0	1.026	100	121	11	2,3,3,3	ALS 2565	LS-0149
659194	795	Mallard	30/19	1.140	~35	141	11	2,3,3,3	ALS 2890	LS-0152
	954	Rail	45/7	1.165	50					

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