ENGINEERING DEPARTMENT
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T & D MATERIAL SPECIFICATION

JPS Specification #: SFAFT-Splice-2019	**Date: April 9, 2019**
Item Stock: As specified below	**Supersedes: All Previous**

Description: **Full Tension, Deadend, Anti-Corrosion, Surefit, Automatic Splice**

Application: **Automatic Splice shall be used for splicing all aluminium alloy conductor (AAAC) at full tension.**

SPECIFICATION

Automatic Splice shall be used for splicing all aluminium alloy conductor (AAAC) at full tension.

The automatic full tension line splice shall be fabricated from aluminium and be able to accommodate an 'all aluminium alloy conductor' (AAAC) with a nominal conductor sizes listed below.
The splice shall also be designed for high corrosive environments, and include stainless steel springs and stainless steel or plastic pilot cups. The splice shall be manufactured with holes in shell & center stop to allow drainage & evaporation. The splice shall have a minimum tensile strength of 44.5 kN (10,000 lbs.), and come pre-filled with joint inhibitor (compound) and individually packaged to seal out dirt. The splice shall have a marked center stop to provide a measurement point for conductor insertion. The splice shall be include funnel guides that deploy after full insertion. Internal components of the splice shall be stainless steel and thermoplastic. The splice shall accommodate an overall conductor diameter ranges as per table below.

The splice shall be manufactured according to present-day manufacturing processes and shall meet all relevant ANSI and ASTM standards.

Hubbell Part Number	Conductor Size	Conductor O.D. (inches)	Colour Code	Stock Number
GLSF411KR	394.5 MCM	0.659"-0.724"	Green	020901011001
GLSF4076AKR	2/0 AWG	0.355"-0.470"	Yellow-Gray	020901011004
GLSF4042AKR	#2 AWG	0.220"-0.320"	Red-Orange	020901011005

The Automatic Splice shall be Hubbell Cat. No. as shown in the table above or approved equal.

Prepared By:	Approved By:
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Engineering and Standards	**Engineering and Standards**