



## Splice Product Specification

### 1. SCOPE

#### 1.1. Content

This specification covers the mechanical performance requirements for Splice.

#### 1.2. Qualification

When tests are performed on the subject product line, procedures specified in Figure 1 shall be used. All inspections shall be performed using the applicable inspection plan and product drawing.

#### 1.3. Qualification Test Results

Successful qualification testing on the subject product line has been completed see UL certification report.

### 2. APPLICABLE DOCUMENTS AND FORMS

The following documents and forms constitute a part of this specification to the extent specified herein. Unless otherwise indicated, the latest edition of the document applies.

#### 2.1. Industry Documents

- EIA-364: Electrical Connector/Socket Test Procedures Including Environmental Classifications
- UL310: UL Standard for Safety Electrical Quick-Connect Terminals

### 3. REQUIREMENTS

#### 3.1. Design and Construction

Product shall be of the design, construction, materials and physical dimensions specified on the applicable product drawing.

#### 3.2 Test Requirements and Procedures Summary

Unless otherwise specified, all tests shall be performed at ambient environmental conditions.

TEST DESCRIPTION	REQUIREMENT		PROCEDURE
Examination of product	Meets requirements of product drawing.		EIA-364-18 Method B Visual, dimensional and functional as per applicable inspection plan and no physical damage.
<b>MECHANICAL</b>			
Crimp tensile strength	Wire section (AWG)	Minimum tensile force	UL310 Speed of tensile testing machine to be 25.4 mm/min. test until breakage or pull-out
	(mm <sup>2</sup> )	N (lbs)	
	26 (0.13)	13.4 (3)	
	24(0.20)	22.3 (5)	
	22(0.32)	36 (8)	
	20(0.52)	58 (13)	
	18(0.82)	89 (20)	
	16(1.3)	133 (30)	
14(2.1)	223 (50)		
12(3.3)	311 (70)		

	10(5.3)	356 (80)	
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**Figure 1**



**NOTE**

Shall meet visual requirements, show no physical damage, and meet requirements of additional tests as specified in the Product Qualification and Requalification Test Sequence shown in Figure 2.

3.2. Product Qualification and Requalification Test Sequence

TEST OR EXAMINATION	TEST GROUP
	A
	TEST SEQUENCE
Crimp tensile strength	1

**Figure 2**



**NOTE**

- (a) Samples shall be prepared in accordance with applicable instruction sheets. They shall be selected at random from current production.
- (b) Numbers indicate sequence in which tests are performed.