

*Southern California Edison*  
*R.18-10-007 – SB 901*

**DATA REQUEST SET S E D - S C E - 0 0 4**

**To: SED**  
**Prepared by: Hunly Chy**  
**Job Title: Manager**  
**Received Date: 3/7/2019**

**Response Date: 3/12/2019**

**Question 08:** TOPIC - R.18-10-007 Wildfire Mitigation Plan

8. Provide covered conductor specification and test information for voltages greater than 15/16kV.

**Response to Question 08:**

SCE objects to the question on the grounds that the phrase “test information” is vague and overbroad. Notwithstanding this objection, SCE responds as follows: SCE interprets the question to ask for data regarding covered conductor production and qualification testing requirements.

Below is a list of the tests that must be performed on covered conductor, which is also referenced in the ANSI/ICEA S-121-733-2016 Standard for Tree Wire and Messenger Supported Spacer Cable. Please see attached Covered Conductor Data Sheet, which has specification information for both 17 kV and 35 kV.

Table 1: Summary of Production Tests

Component	Test
Conductor	DC Resistance
	Diameter
	Temper
Non-Metallic Conductor Shield	Elongation After Aging
	Volume Resistivity
	Thickness
	Voids
	Wafer Boil
	Covering Removal Test
Covering	Aged and Unaged Tensile and Elongation
	Hot Creep
	Diameter
	Thickness
	Concentricity
Electrical Test	Spark/Immersion Test

Table 2: Summary of Qualification Tests

Component	Test
Outer Layer	Sunlight Resistance
	Track Resistance
	Maximum Dielectric Constant