6330100 COMMUNICATION CABLE
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

FTBA
850-942-1404

Comments: (5-13-19)

→ → **633-3.1.8 Installation Testing:** Notify the Engineer of cable testing at least 14 calendar days in advance. Submit the testing procedures to the Engineer for approval prior to commencement of testing. Perform all tests at 1,310/1,550 nanometer wavelengths, and include the last calibration date of all test equipment with the test parameters set on the equipment in the test documentation. Ensure that the last calibration date of all test equipment is within the last 12 months and that the calibration date is firmly affixed to each piece of test equipment. Test all installed fibers (terminated and un-terminated) using methods approved by the Engineer.¶

Typically the Certificate of Calibration is an 8.5" x 11" document. PCS, and others likely, maintain copy of that certificate in the OTDR travel case…as well as PCS scans upon calibration return for electronic documentation that can be forwarded to any inspector upon request.

In that PCS has suggested the sentence be changed to:
Ensure that the last calibration date of all test equipment is within the last 12 months and that the calibration ~~date is firmly affixed to each piece of test equipment~~ certificate be maintained in the OTDR case or presented electronically to CEI upon request.

Response: This comment was addressed and the change was made prior to industry review.

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Comments: (6-7-19)
Please clarify the METHOD of measurement (plan quantity, measured, etc.) within 633-5.1, to address the slack quantities. When you indicate a minimum length to be stored, what is the maximum we will include with payment? Are there any CADD concerns with generating length + slack quantities, to automatically obtain the totals?

Response: The slack requirement has always been there. This is to clarify the difference between drop cable and the backbone. We discussed this with Missy. The existing language will suffice for now, but we will work on an update to the method of measurement for the next round of spec changes.

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Comments: (6-10-19)
633-3.1.4 This spec may be reviewed since the 24”x36” pull box / junction box cannot accommodate the increased cable length with in it. Squeezing of the cable will cause for optic breakage.

SUBARTICLE 633-3.1.4 is deleted and the following substituted:

633-3.1.4 Slack Cable Storage: Provide and store fiber optic cable at each pull box and splice box to allow for future splices, additions, or repairs to the fiber network. Store the fiber optic cable without twisting or bending the cable below the minimum bend radius.

Store a total of 200 feet of fiber optic backbone cable in splice boxes, with 100 feet of cable on each side of the cable splice point or as shown in the Plans.

Store a minimum of 100 feet of fiber optic drop cable in splice boxes or as shown in the Plans.

Store 50 feet of spare fiber optic cable in pull boxes.

Response: This requirement is a clarification on the amount of slack needed for drop cable splices. The old requirement was for 200 feet of cable on each side of a cable splice. For drop cable, there was only one side, so we are clarifying this length as 100 feet. The requirement is also for storage within splice boxes and not pull/junction boxes. Splice boxes are a minimum of 30”x60” rectangular or 36” round. No change needed.

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