

**AT&T INSTALLATION REQUIREMENT CHANGE NOTIFICATION - ATT-TP-76300-005**

**TO: ALL AT&T INSTALLATION SUPPLIERS**

**Date: 04-23-07**

**EFFECTIVE DATE: 5 days from posted date or as per Supplier's Contract**

**Submitter's Name: Mike Yeilding**

**TP: TP76300 Subject: Optical Bend Radius Requirements Action: Add: Modification: X Delete:**

**Section: J**

**Section Title: Cabling**

**Subsection: 2**

**Section Title: Cabling Requirements**

**Subsection: 2.8**

**Subsection Title: Bending Radius**

**Prior to Change:**

2.8.6 The minimum inside bending radius of fiber optic cable, jumpers or patch cords is 1.5 – inch radius or 20 times the cable diameter, whatever is larger.

**Post Change:**

2.8.6 The minimum inside bending radius of fiber jumpers or patch cords is 1.5 inches.

2.8.7 The minimum inside bending radius of fiber optic cable (OFNR) is 1.5 inches or 10 times the cable diameter, whatever is larger.

2.8.8 The minimum inside bending radius of Jacketed Metallic Clad (JMC) cable is five times the diameter of the cable measured on the inner side of the bend.

2.8.9 CO grounding system conductors shall be installed with a minimum radius of one foot. If the one foot radius objective can not be met, a smaller radius is acceptable based on the following conditions:

- a) For the #2 AWG peripheral conductor at a radio site the minimum bend radius shall be 6 inches.
- b) For all other conductors, the minimum bend radius shall not be less than 5 times the finished diameter of the cable. Table J-7 provides the minimum bending radius, rounded up to the nearest inch, for the most common grounding conductor sizes based on the approximate diameter for rubber-covered wire (type, RHH, RHW).

Questions relative to this IRCN should be addressed to Laurie Gustin at 310-640-4220

Laurie Gustin

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Access the TP's on the Extranet Site <https://ebiznet.sbc.com/sbcnebs>

**Concurred**

Area Manager Common Systems (Fiber Connectivity)  
(Mike Yeilding)

Date: 04-24-07

**Release Approved**

Area Manager Enterprise Technology Support  
(Laurie Gustin)

Date: 04-24-07