

# POST INSTALLATION INSPECTION OVERVIEW

AFTER INSTALLATION  
WHAT TO CHECK

# Cable Bend Radius

Inspect Cable Bend Radius to ensure that manufacturer's minimum cable bend radius is not violated at points where the cable turns (manholes, handholes, pull points, duct route, closure entries, transitions to aerial).

# Ducts and Innerducts

- Inspect the duct or innerducts to ensure that the “fill ratio” does not exceed 50%.
- Inspect continuous innerducts in manholes to ensure that it is attached to racks without violation of cable bend radius and in accordance with locally prescribed standards.
- Inspect that cable is covered by innerducts or split duct where innerduct is not continuous through a manhole (this include places where innerduct is spliced together).

# Bonding & Grounding

- Inspect the installation for proper external grounding of all splice closures, to ensure the closure is grounded to the manhole or handhole ground, and whether that ground is properly grounded

No closures will be opened to determine whether the cable is properly attached to internal closure grounding components and whether the internal components are connected to external grounding components

# Splice Closures and Slack Storage

Inspect splice point slack to ensure enough slack remains to bring the closure out of the man hole, handhole, or pedestal and into convenient work area, such as a tent or splice vehicle.

Inspect slack loops to ensure the cables do not exceed the recommended minimum bend radii.

# Cable Exposure

Inspect that no cable is exposed along route.

Inspect that no cable is exposed at transition points, such as approaches to handholes, manholes, and poles

# *Warning Signs*

Cross check installer's documentation to verify the actual location of the buried optical cable warning signs are consistent with the documented locations



# *Splicing and Connectorization*

, Spot check fiber splice trays to ensure that the manufacturers recommended procedures have been followed (securing splices, splice protection, routing of fibers, securing of tubes, etc)

Spot check optical connectors to ensure that connectors have been installed per manufactures recommended procedures,



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