

EXPECTED IMPLEMENTATION JULY 2003

630 CONDUIT-INSTALLATION REQUIREMENTS. (REV 10-18-02) (FA 1-14-03) (7-03)

Subarticle 630-3.1 (Pages 724-725) is expanded by the following:

630-3.1.1 Conduit For Fiber Optic Cable: ~~Prevent the ingress of water, dirt, sand, and other foreign materials into the conduit before, during and after construction. Run an AWG #14 locate wire with the fiber cable in the conduit when installed underground. Do not run the locate wire into the cabinet. Terminate it at the nearest pull box.~~

~~To minimize cable tension during installation the conduit fill ratio (outer cable diameter to inner conduit/duct diameter) should not exceed 50%. The minimum inner diameter (ID) of the conduit must be 1 1/4 inches [32 mm] and include all required fittings and incidentals necessary to construct a complete installation. Ensure that the conduit system allows the fiber optic cable to maintain the minimum bend radius after installation. Run an AWG #14 locate wire with the fiber optic cable in the conduit when installed underground. Do not run the locate wire into the cabinet. Terminate at the nearest pull box.~~

Exclude water and debris from the ~~top~~ conduit and top riser assembly of above ground conduit ~~through~~ by use of a foam-sealing material, rubber plug, or other device, designed for this type of application and approved by the Engineer. Use a flexible conduit UV rated to protect the cable from the top of the conduit riser to the span messenger where the cable is to be lashed.

Subarticle 630-4.2 (Page 727) is expanded by the following:

~~Payment for conduit used for Fiber Optic Cable includes the cost of furnishing and installing the locate wire~~ Furnishing and installing the locate wire is included in the cost of the conduit.