# Underground Construction Standard Updates

by

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#### Current RUS Bulletin 50-70 (U-1)

"RUS Specification for 15 kV and 25 kV Primary Underground Power Cable"

\* Conductor – solid or stranded

\* Acceptable Insulation Material – XLPE, XLPE-TR, or EPR

## Current RUS Bulletin 50-70 (U-1)

\* 25 kV Minimum Insulation Thickness – 345 mils

\* Primary Cable Reference Sources:

AEIC CS-5 and ICEA S-66-524 for XLPE cables

AEIC CS-6 and ICEA S-68-519 for EPR cables

#### Proposed RUS Bulletin 1728F-U1

"RUS Specification for 15 kV, 25 kV, and 35 kV Primary Underground Power Cable"

- \* Conductor Solid; strand fill (sealant) would be required in all stranded conductors.
- \* Acceptable Insulation Material XPE-TR or EPR. Plain XLPE would no longer be accepted.

# Proposed RUS Bulletin 1728F-U1

- \* 25 kV Minimum Insulation Thickness 345 mils would be reduced to 260 mils.
- \* 35 kV will be included as an operating medium voltage. The minimum insulation thickness will be 345 mils.
- \* Primary Cable Reference Source:

ICEA Publication S-94-649-1997, "Standard for Concentric Neutral Cables Rated 5,000 – 46,000 Volts.

#### <u>A Very Important Change in the</u> 2002 NESC

Rule 354 - Random Separation

New Rule 354.A.2 prohibits radial separation of less than 300 mm (12 in) between supply and communications cables or conductors from steam lines, gas, and other fuel lines.

## Safety Signs

\*"Caution" Sign is obsolete and has been replaced by "Warning" Sign.

\*RUS will no longer specify the design of safety signs.

\*RUS requires the ANSI Z535 on Safety Signs be used as the standard specification.