Crimp Splice Procedure

Remove at least 1” of cable insulation to expose clean copper conductors. Join the conductors by inserting them equidistance into the compression connection sleeve. Crimp conductors firmly in place using a crimping tool that requires a complete crimp before the tool can be removed. A minimum of 3 equally-spaced crimp indents is required. Test the crimped connection by pulling on the cables.

Suggested Splice Sealing Procedure

Roughen the cable insulation 2” beyond the end of the exposed conductors. Ensure the entire surface over which the tape will be applied is clean using a lint-free cloth. Do not use solvents. Fill voids with insulating putty tape as required. Apply a high-voltage rubber tape half lapped over all bare conductors. Tape should be tensioned as recommended by the manufacturer. Half-lap tape to produce a uniform buildup to 1-1/2 times cable diameter over the body of the splice with ends tapered approximately 1 inch over the original jacket. Cover rubber tape with two layers of vinyl pressure-sensitive tape one-half lapped. Coat the entire tape wrap with a brush-applied electrical sealant.

Note: "Splinting" the entire connection before burial to minimize wire stress is recommended.

City of Cedar Rapids, IA

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