**Connectors for Communication cables –** All splices made to communication cables that incorporate twisted pairs shall be made using the 3M 82-A1 connector kit. Use insulated butt connectors to join the wires to prevent the connections from touching each other. The inner conductors and the outer jacket of the cable shall be inside the 82-A1 connector tube and covered with waterproof resin. See photo.

All cables and splices shall be installed in a valve box. These cables are to extend a minimum of 24” above ground level, for ease of making splices and for future access.

When communication cables are in the same trench as the power wires, there shall be a minimum separation between them of 12”.

**3M Model 82-A1 (Paige Electric 270340.) No equal.**



**3M 82-A1**