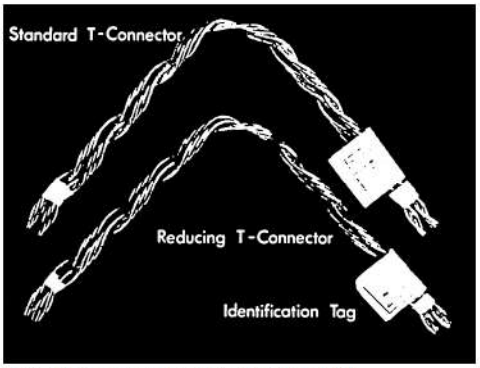
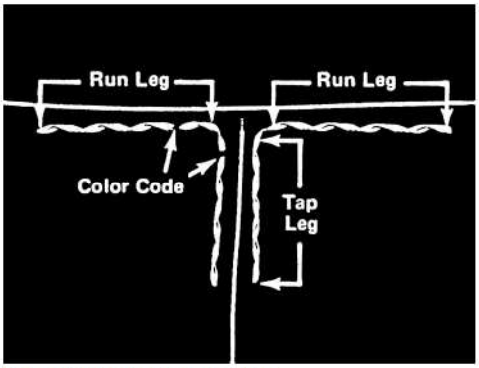
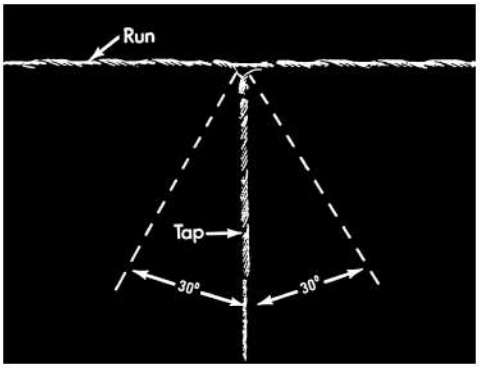
T-Connector



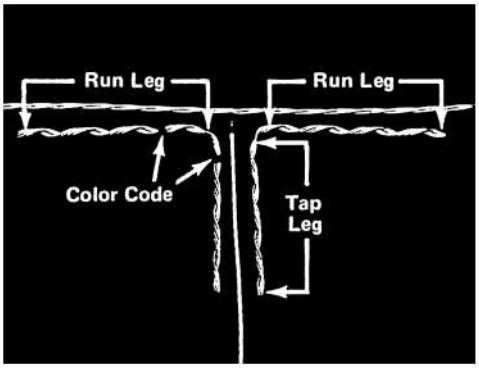
T-Connectors as received in the field



For conductors of equal size



Refer to paragraph below



For diameter ratios up to three to one

General Recommendations

Intended Use: T-Connectors join slack laterals (TAP) to vertically spaced primaries (RUN) which can be reached by bucket truck. Extra poles can be eliminated while permitting equal spans for street lighting.

Catalogue No.: ATC

A pair of T-Connectors installed back-to-back provide a mid-span junction for vertically spaced primaries. Poles can be set back from intersections and buck-arms eliminated.

T-Connectors are available for conductors of equal and unequal diameters (REDUCING TYPE).

Holding Strength: T-Connectors are conservatively rated at 25% of the rated breaking strength of the conductor. Because of their intended use on slack span laterals or junctions of continuous conductors, mechanical requirements are not expected to approach 25% R.H.S.

Line Angles: Slack span laterals (TAP) should not exceed the line angle shown in the illustration, to ensure ease of application and to avoid over stressing the T-Connector.

Conductivity: T-Connectors, both regular and reducing types, are designed to a minimum conductivity of 100% of the smallest conductor.

Application-Inspection: Installation is accomplished with bucket trucks. Scratch brushing to thoroughly remove oxidation deposits from the conductor's surface is recommended immediately prior to application.

To insure a reliable electrical connection, all conductors, new or weathered, must be thoroughly scratch brushed until bright and clean immediately prior to installation.

The application of a quality inhibitor, compatible with the conductor material must be used to retard oxidation.