T-Connector

NOMENCLATURE

T-Connectors as received in the field

T-Connector
For conductors of equal size

T-Connector: Reducing
For diameter ratios up to three to one

Line Angles
Refer to paragraph below

GENERAL RECOMMENDATIONS

**Intended Use:** T-Connectors mechanically join slack span 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.

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 RBS (rated breaking strength) of the smallest conductor. Because of their intended use on slack span laterals or junctions of continuous conductors, mechanical requirements are not expected to approach 25% RBS.

**Line Angles:** Slack span laterals (TAP) should not exceed the line angle shown in the illustration, to insure 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.

T-Connectors are primarily mechanical holding devices. To insure proper long term electrical current transfer, it is suggested that a jumper or shunt be connected directly between the run and tap conductors so that the T-Connector alone is not required to transfer the current.

**APPLICATION-INSPECTION:** All conductors, new or weathered, must be thoroughly scratch-brushed until bright and clean. Immediately thereafter, an industry accepted inhibitor (compatible with the conductor) should be applied before installing the product.

**Thermal Rating (Continuous)**

125°C
# T-Connector

For Conductors of Equal Size
For use on:
ACSR, Aluminum Alloy
All-Aluminum

## EXPLANATORY NOTES:

1. Nominal Conductor Size indicates one of various conductors within each range.
2. General Recommendations for T-Connectors are referenced earlier in this section.