

# HiTemp® Universal Compound (HiTUC) for Filler and Pad-to-Pad Connections

AFL's HiTemp Universal Compound (HiTUC) is the recommended inhibitor as a filler for compression fittings, as well as a joint compound for pad-to-pad connections for the increased temperature requirements in today's Utility market.

It has been designed to withstand the increased operating temperatures of high temperature/low sag conductors (ACSS, ACCR, etc.). If kept in a dry place, HiTUC has a three-year shelf life.

## Features

### Low Electrical Resistance

HiTUC contains extremely hard metallic particles with sharp and irregular shapes of carefully controlled grain size. This forms many metal to metal contact points for low contact resistance.

### Wide Temperature Tolerance

HiTUC has a wide temperature range. It is workable at low temperatures -40°C (-40°F) and does not drip at high temperatures. It has a melting point above 250°C (482°F).

### Improves Current Flow

During compression, the metallic particles (grit) contained in HiTUC are embedded between the conductor and the inside wall of the accessory, creating an irregular surface. This irregular surface improves conductivity by forming more metal to metal connections. The grit also acts as a wire brush on the aluminum oxide that has formed on the inside of the tubular accessory. This same grit creates a low resistance connection in bolted pads of dead ends, terminals and tee taps.

### Moisture Resistant

As the accessory is compressed, HiTUC is forced between the conductor strands, sealing out the harmful effects of harmful contaminants, water and salt.

### Fits Standard Caulking Gun

AFL is the only supplier that features a sight gauge along the length of the tube that allows the user to check the remaining amount. For easy filling of compression accessories, HiTUC fits a standard caulking gun.

## Ordering Information

Catalog Number	Packaging
HITUC10T	Carton of 10 Tubes, 1 lb. (451 g) – Fits Standard Caulking Gun
HITUC1GAL	1 Gallon Pail, 11 lbs. (5 kg)
HITUC5GAL	5 Gallon Pail, 55 lbs. (25 kg)
HITUC12B	12 bottles per pack, 8 oz each, 6 lbs. (2721.6 g)



## Applications

- Filler compound and pad-to-pad connections for compression accessories installed on conductors operating at temperatures up to 250°C (482°F)
- Dead ends, joints, terminals, tee taps and jumper connectors