



CROSS DEVICES

SPECIALTY PRODUCTS MANUFACTURING
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STUF on bic pen tip: (note microspheres)

STUF:Dielectric Waterproofing Filler
Use:Coaxial Connector Weather Protectant (Internal)
Directions:Mate tube of STUF to connector cap end and fill.

Thread connector and snug with wrench, A resistance to tightening should be noted as STUF is channeled into voids
*Ultimate signal throughput performance will be realized after STUF fluids migrate, (one week), forming a moisture impermeable, powdery, Teflon - Silica compound.

Material: Ultra-low density, High Purity, All dielectric Compound

Appearance: White Paste

Useable Temperature Range:-40C. To 100 Deg. C.

Standard Packaging: 3.2 cu. In. Vol (white Glamate Tube)

Net. Usage: 100 f. Style Coaxial Connections

Shelf Life:Indefinite, store in cool area

Dielectric Constant: $\epsilon = 1.5$

Compression: 1500 P.S.I. Max

Moisture Absorption: 15 PPM Max

Water Solubility:Non-soluble

Specific Gravity:..... .7

Volatility:1%@250 Deg. C.

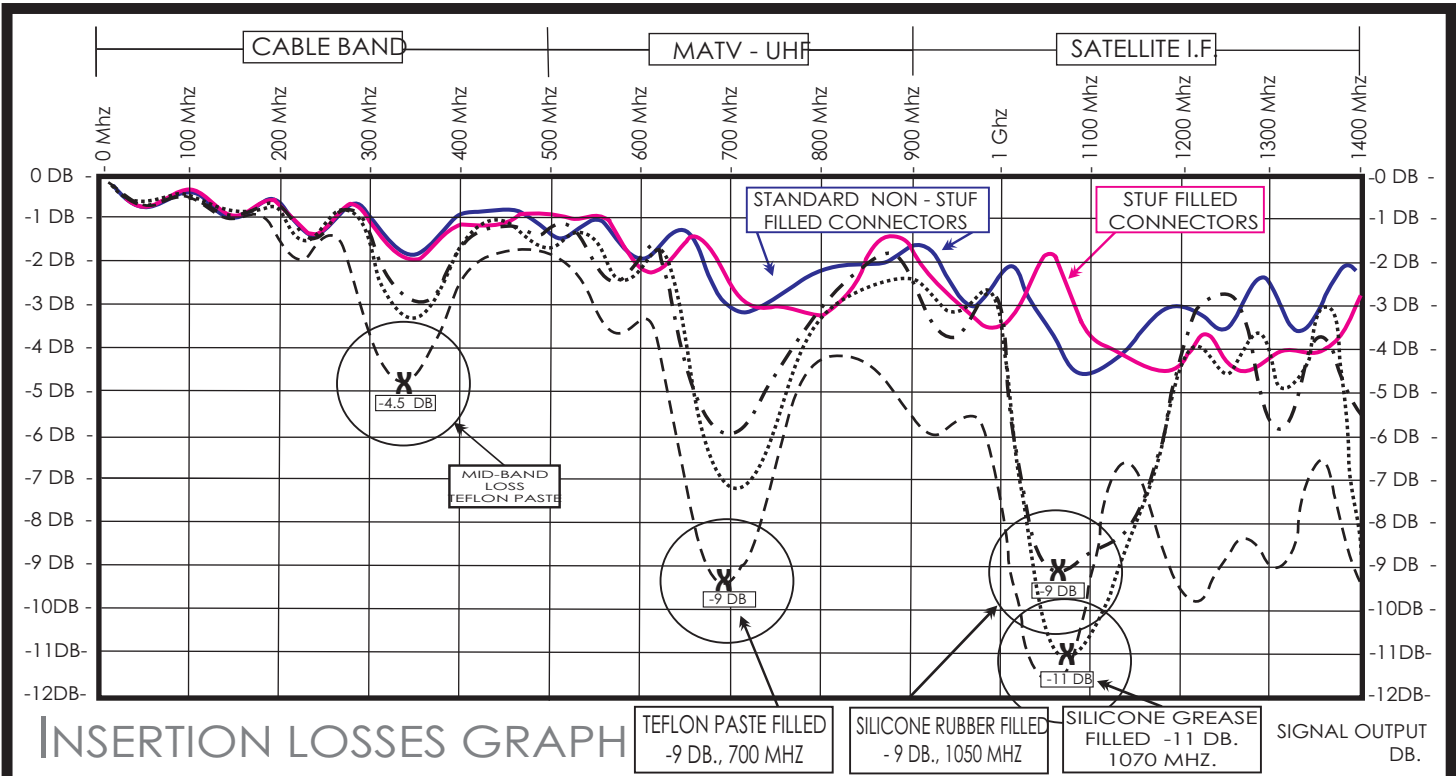
Flash Point:286 Deg. C.

Toxicity:Non-Hazardous

Carcinogenicity: ..Contains Teflon: (Listed as carcinogen in CA.)

SIGNAL TRANSMISSION:

Common coaxial transmission cables, utilize foamed polyethylene as a transmission core. STUF closely simulates this material in dielectric properties, minimizing insertion and return signal losses while maintaining signal level and electrical throughput, throughout cable connector life.



INSERTION LOSSES GRAPH

8 f. Connectors + 4 FT. Rg - 6 (3 splices with barrel connectors)
FILLED AND NON-FILLED CONNECTORS (Testing by: International Instruments)

KEY: --- TEFLON FILLED CONNECTORS
..... SILICONE GREASE FILLED
- - - - SILICONE RUBBER FILLED