

# How to Use S.T.U.F. : Silica, Teflon, Unionizing, Filler

STUF is a filler, specifically formulated for use in connectors used on coaxial cables. It is formulated to simulate the dielectric properties of foam polyethylene (common coaxial cable core).

**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, clay like , Teflon - Silica compound

**Filling volume** is a "pea" sized for smaller f-connector sizes and 2 - 3 "peas" for larger connectors: PL,UHF,N, BNC,TNC type connectors. The STUF volume applied should be twice the estimated void volume after the connector is assembled

**Depositing a good fill amount of STUF** is most easily done upon the center conductor of the " Cap " side of the connector assembly. When assembled and tightened; STUF is compressed, channeled into internal voids, reducing it's volume as the glass microspheres and teflon particles pack and the oils extrude into threads, machined borders and the cable braid area



The amount of STUF to fill into the cap end of the connector is a matter of estimating the volume of the voids found within the connector after it is assembled. ( Fill with 2X Void Estimate )

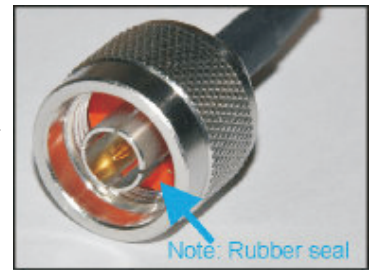


Cross Section of f-splice: RED indicates internal air voids filled with STUF

**Opening up the connector for inspection** should show STUF deposited in the interior of the connector in a circular symmetrical fashion ( see pic at right ). Inspection should be done any time a new type of connector is used to verify proper fill volume & full Seating. To Reassemble : Deposit +/- 1/2 pea of STUF again on the center



**Note on N Connectors:** ( Rubber back sealed ) Connectors: (Photo at right) Some connectors use a true mating seal within the connector. This seal can stop the extrusion of STUF into the rear area of the connector and through the parts borders. In these types of connectors ; it is recommended to check the connector ( Open Up ) and verify a circular mark on the inner rubber seal face to verify the connector fully seated when assembled.



Note: Rubber seal

This does not apply to f - style connectors with "O" Rings

## "PREVENTS MOISTURE INFILTRATION BY OCCUPATION"

