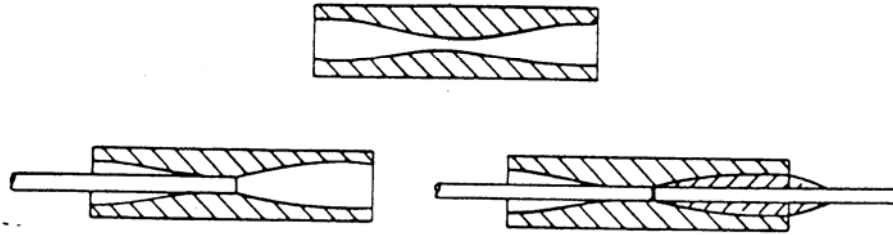


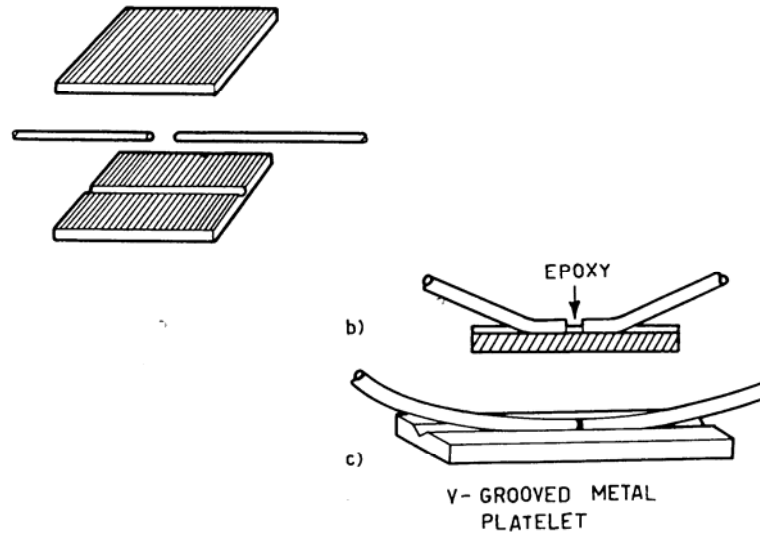
Connessione di fibre ottiche

- **capillary tubes**

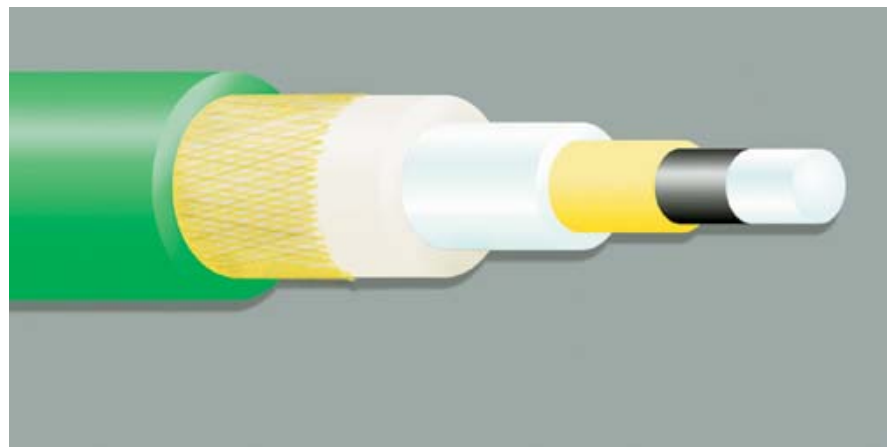


fibers are inserted, pressed and gripped by injection of adhesive

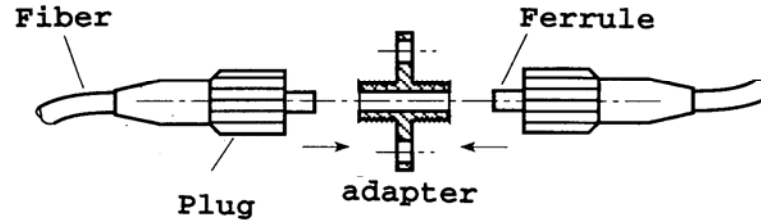
- **v-groove substrate**



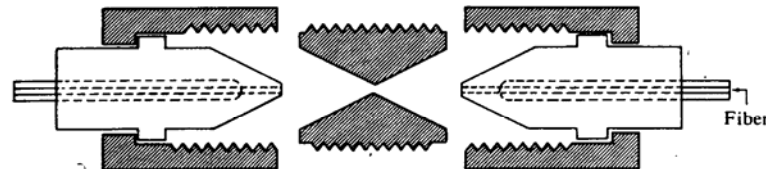
fibers are place in the v-grooves and bonded by epoxy resin



Ferrule connector



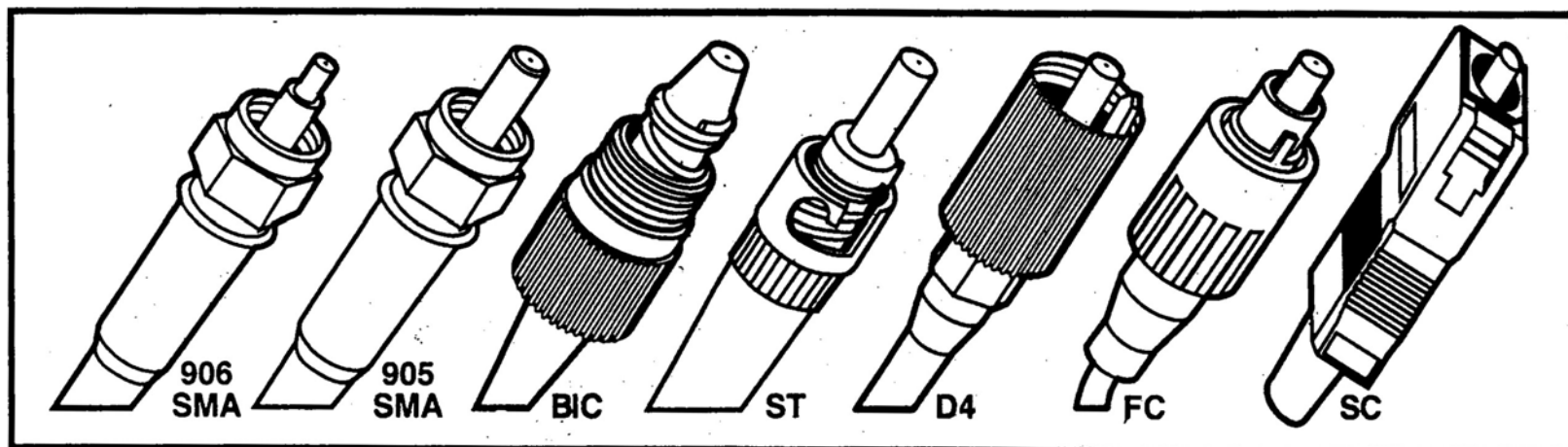
- Connections consists basically of two plugs inserted in an adapter, which serves as a guide and fixing element.
- The fiber is inserted in a ferrule
- Shape of the ferrule can be:
 - cylindrical
 - conical (more accuracy: single-mode fibers)



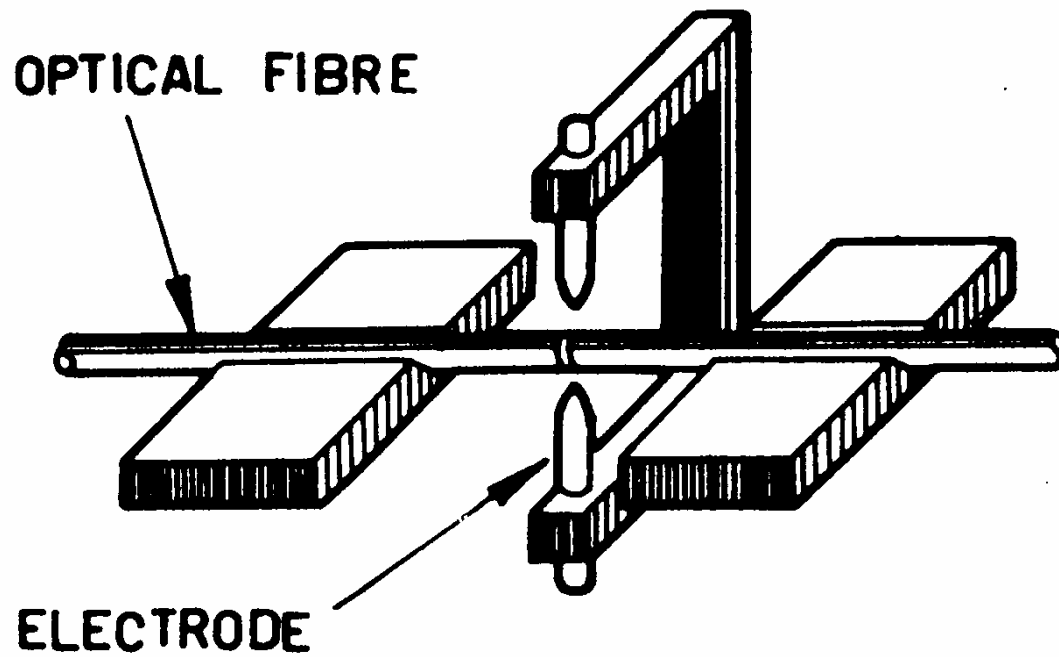
Biconical connector

- Material of the ferrule:
 - metallic
 - ceramic (more accuracy)

Principali tipi di connettori



Giunzione per fusione



Taglio di una fibra ottica

