

1] Jelaskan & gambarkan jenis-jenis konektor dibawah ini,

a) Butt-joint

↳ Straight sleeve

b) Expanded beam

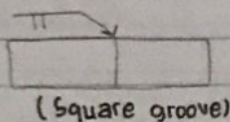
c) Ferrule connector

↳ Tapered sleeve

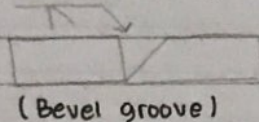
Jawab

a) Butt joint

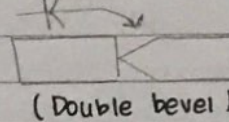
↳ Jenis sambungan tumpul, dim aplikasinya jenis sambungan ini terdapat berbagai macam jenis kampuh / groove yaitu V groove (kampuh V), single bevel, J groove, U groove, Square groove.



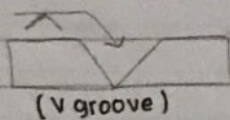
(Square groove)



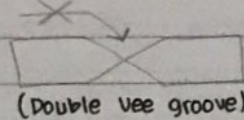
(Bevel groove)



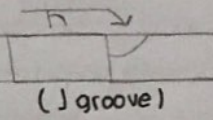
(Double bevel)



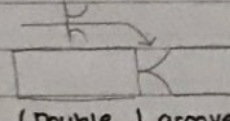
(V groove)



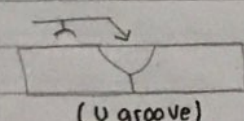
(Double vee groove)



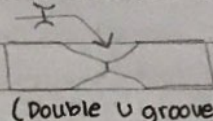
(J groove)



(Double J groove)



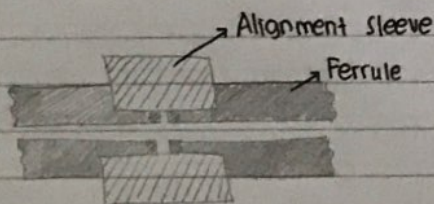
(U groove)



(Double U groove)

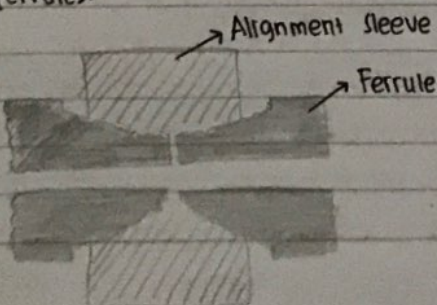
↳ Straight sleeve

↳ In straight sleeve connector, the length of the sleeve and a guide ring on the ferrules determine the end separation of fibers.



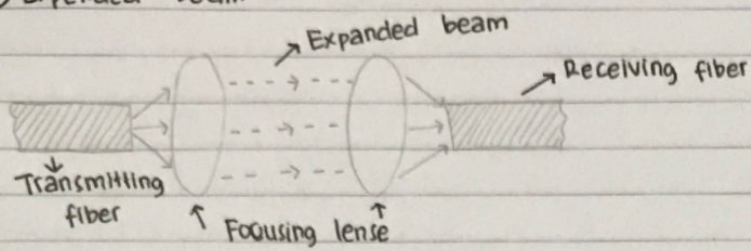
↳ Tapered sleeve

↳ In tapered sleeve, it uses a tapered sleeve to accept and guide tapered ferrules.





### ⑥ Expanded beam



↳ It employs lenses on the ends of the fiber. These lenses either collimate the light from transmitting fiber / focus the expanded beam onto the core of the receiving fiber.

### ⑦ Ferrule connector

↳ dibangun dengan housing logam & berlapis nikel. Ferrule dipasang didalam badan konektor melekat pada struktur kabel serat optik.

