**Claims**

1. An optical fiber holder that holds a terminal of an optical cable in which an optical fiber core extended from a sheath, the optical fiber holder is characterized by comprising

a holder body where the optical fiber core and a sheath part of the optical cable are to be disposed, a core holding part that presses and holds the optical fiber core disposed in the holder body, and a sheath holding part that presses and holds the sheath part disposed in the holder body with a stronger pressing force than that of the core holding part.

2. The optical fiber holder according to claim 1, characterized in that

the core holding part has a magnet that presses the optical fiber core disposed in the holder body with a magnetic force, and the sheath holding part has a biasing member that presses the sheath part disposed in the holder body with a biasing force.

3. The optical fiber holder according to claim 1 or 2, characterized in that

the holder body has a positioning surface for positioning the optical cable in a manner that an end surface of the sheathe reaches the positioning surface.

4. The optical fiber holder according to any one of claims 1 to 3, characterized by comprising

a middle holding part that presses and holds the sheath part of the optical cable between the core holding part and the sheath holding part.

5. A fusion splicer that fusion splices optical fiber cores of optical cables to each other, the fusion splicer characterized by comprising the optical fiber holder according to any one of claims 1 to 4 as a holder that holds an end part of the optical cable.

6. The fusion splicer according to claim 5, characterized in that

the holder is detachable.

7. The fusion splicer according to claim 5 or 6, characterized by comprising:

a heater that heat contracts a heat contractive tube covering a fusion splice part of optical fiber cores; and

the optical fiber holder according to any one of claims 1 to 4 as an optical fiber holder that holds the end part of the optical cable to dispose the fusion splice part at the heater.

Claims

1. An optical fiber holder that holds a terminal of an optical cable in which an optical fiber core extended from a sheath, the optical fiber holder is characterized by comprising

a holder body where the optical fiber core and a sheath part of the optical cable are to be disposed, a core holding part that presses and holds the optical fiber core disposed in the holder body, and a sheath holding part that presses and holds the sheath part disposed in the holder body with a stronger pressing force than that of the core holding part,

characterized in that the holder body has a positioning surface for positioning the optical cable in a manner that an end surface of the sheathe reaches the positioning surface, and

has a relief groove around the positioning surface.

2. The optical fiber holder according to claim 1, characterized in that

the core holding part has a magnet that presses the optical fiber core disposed in the holder body with a magnetic force, and the sheath holding part has a biasing member that presses the sheath part disposed in the holder body with a biasing force.

3. The optical fiber holder according to claim 1 or 2, characterized by comprising

a middle holding part that presses and holds the sheath part of the optical cable between the core holding part and the sheath holding part.

4. A fusion splicer that fusion splices optical fiber cores of optical cables to each other, the fusion splicer characterized by comprising the optical fiber holder according to any one of claims 1 to 3 as a holder that holds an end part of the optical cable.

5. The fusion splicer according to claim 4, characterized in that

the holder is detachable.

6. The fusion splicer according to claim 4 or 5, characterized by comprising:

a heater that heat contracts a heat contractive tube covering a fusion splice part of optical fiber cores; and

the optical fiber holder according to any one of claims 1 to 3 as an optical fiber holder that holds the end part of the optical cable to dispose the fusion splice part at the heater.