

ABSTRACT

[Abstract]

[Object] To provide a ferrule holding member for an optical receptacle or the like which can be manufactured at low cost, which has a small insertion loss, which has a convex curved surface connected to an end face of the ferrule on a tip side formed easily to have appropriate shape and properties, and which has hardly reduced coupling efficiency.

[Solving Means] A ferrule holding member 3 has a transparent body 5 attached to an inner hole of a sleeve 4, and the transparent body 5 has a primary end face 5a for bringing into contact with an end face 6a of a plug ferrule 6 at a halfway position in an axial direction of the sleeve 4. The primary end face 5a of the transparent body 5 has a convex curved surface obtained through heat treatment. The convex curved surface 5a is preferably an unpolished surface, and a region with a radius of 75 μm or more centered around a shaft axis Z of the sleeve 4 at the convex curved surface 5a has a convex spherical surface. Alternatively, the transparent body 5 is directly fixed to an inner surface of the sleeve 4 through heat treatment.

[Selected Drawing] Fig. 1