

ABSTRACT

Electroforming is performed in an electroforming bath with a cathode of a metal wire member immersed in an electroforming solution to electrodeposit nickel around the aluminum alloy wire member. The aluminum alloy wire member is removed by dissolution with an alkaline solution from an obtained nickel electroformed product. Accordingly, a nickel cylinder is obtained, which has a through-hole formed corresponding to the wire member. The cylinder is cut into those having a predetermined length. The outer circumference is subjected to cutting based on the through-hole to obtain a ferrule. The inner diameter accuracy of the through-hole of the ferrule is determined by the outer diameter accuracy of the wire member. Therefore, it is unnecessary to perform polishing for the through-hole. The highly accurate ferrule is obtained in accordance with the simple process at low cost. The PC polishing for the ferrule for effecting PC junction of optical fibers is extremely easy, because the ferrule is made of metal. Thus, it is possible to provide a high performance optical fiber connector.