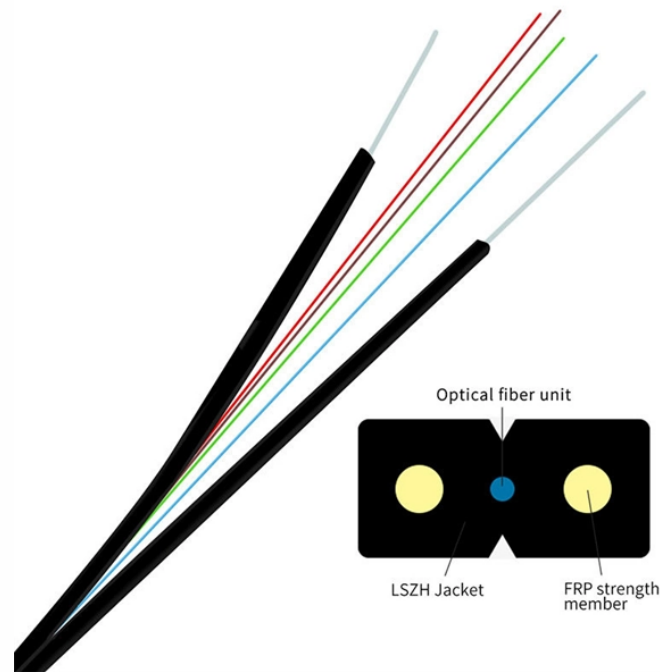


Molding method of inner hole of ceramic ferrule



Molding method of inner hole of ceramic ferrule



By following these steps, manufacturers can produce reliable and high-performance ceramic ferrules that play a critical role in the performance of fiber-optic communication systems.



The strength of alignment-pin holes on molded ferrules was measured to prove that the ferrule had the same level of mechanical strength as that of conventional ferrules.



In this study 3 different sizes modeling of ferrule including gating system, runner and sprue were developed by using SolidWorks Software 2001 Plus. Then the models were changed in IGES format...



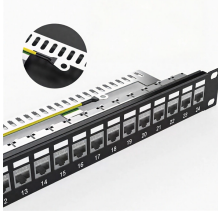
During sintering the components shrink by about 30 % (see Fig.1) and assume the required ceramic characteristics. After sintering the ferrules are subjected to intensive quality assurance, which is ...



The ferrule can be classified as a micro component with 2.5 mm outer diameter and 10 mm length, has critical and complex shape designs which is ...



Kyocera's extrusion molding process creates ferrules with excellent coaxiality, and our precision machining ensures excellent concentricity with precise inner and outer diameters. Our ferrules and ...



Simulation of Ceramic Injection Molding for Zirconia Optical Ferrule Abstract: Zirconia Ferrule is a key part for manufacturing fiber connectors. The ceramic injection molding (CIM) process of the optical ...



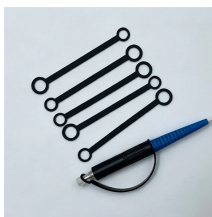
In this study modelling of ferrule has been developed with full round runner, mould and three different types of gates which were fan gate, ring gate and parabolic gate with three different dimensions. ...



The ceramic ferrule blank contains a small hole of 0.1mm, and the concentricity requirement is very high, which can only be achieved through the technology of ceramic powder ...



The ceramic ferrule blank contains a small hole of 0.1mm, and the concentricity requirement is very high, which can only be achieved through the technology of ceramic powder injection molding.



DETAILED DESCRIPTION OF THE INVENTION (Field of Industrial Application) The present invention relates to a method of injection molding a ceramic ferrule forming a part of an optical...

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