

Why is there a halo on the end face of the Huijue fiber optic G657A2 connector

Preview

Haloing is a contamination defect that appears on fiber optic end face connections. If present, using a fiberscope to inspect an end face will reveal a discolored ring usually midway between the fiber core and the leading edge of the chamfer. If left unchecked, it can lead to costly rework or. Dirty connectors are one of the major problems in fiber optics, causing high connector loss, high reflectance and contaminating transceivers. One of the first visits we made to. Chemtronics is the leader in solutions for the electronics, telecommunications and critical environments markets.

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This issue leads to a slight difference in the distance between the optical fiber connector end face and the imaging sensor when inserting the connector into a slot for inspecting.

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When fiber optic end faces are joined, the convex curve creates a circular crevice which appears as a ring-shaped gap. Liquid will naturally be pulled from the surfaces within this connection to the circular

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But even the most advanced cable can be rendered useless if the connector on the end isn't in pristine condition. Here's why inspecting the end

This contamination appears as a faint ring around the fiber core, often caused by polishing residue or handling oils. If left unchecked, it can lead to costly rework or service disruptions.

Haloing is a contamination defect that appears on fiber optic end face connections. If present, using a fiberscope to inspect an end face will reveal a discolored ring usually midway between the fiber core

You should inspect the end-face both before you disconnect it (to establish a baseline) and after you clean it, before you reconnect it. This simple habit is the most effective way to prevent



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The wide filed view can show dirt inside the connector body that can transfer to the ferrule end when connectors are mated, causing typical dirty connector problems.

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