

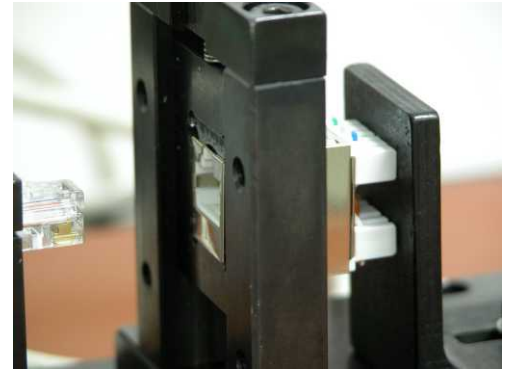
Operating Life Test Instruments for Outlets/Connectors

Testing to the TIA/EIA-570-A & IEC 60603-7 Requirements



Eight-position Modular outlets and connectors must be able to withstand multiple insertions of six-position plugs and still maintain adequate contact resistance. This requirement is called out in the ANSI/TIA/EIA-570-A document. The 570-A document requires that modular outlets/connectors satisfy the contact resistance requirements of Annex A of ANSI/TIA/EIA-569-B.2 when they are mated to an eight-position plug per IEC 60603-7 after 200 insertions of a six-position modular plug that meets the dimensional requirements of FCC Part 68.500 (Now TIA-968-A).

6 - position



8 - position

Further, the outlet/connector shall satisfy the contact resistance requirements when mated to an eight position plug per IEC 60603-7 after being subjected to 750 insertions of the plug.

SURTEC developed an instrument and setup a test environment for a test our outlet/connector's operating life meets the ANSI/TIA/EIA-570-A & IEC 60603-7 requirements and make our products trustworthy!

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