

Simplex Testing With a Switch

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Set your DUT to be a multifiber-to-multifiber.

The screenshot shows the 'DUT' configuration window in the MS12001 - Cable Assembly Test System. The window title is 'MS12001 - Cable Assembly Test System'. The main title is 'DUT' with a subtitle: 'This configuration window is used to identify devices under test (DUT). From this window, you can add, delete or modify a specific DUT.'

Navigation tabs: Company | Customer | Connector | **DUT** | Test | Polarity

DUT Identification

Part number: LC SIMPLEX UPC-APC
Description: Simplex
Manufacturer: JGR
Maximum fiber length (m): 3
Fiber type: Singlemode - 9um

Assembly type: **Multifiber-to-Multifiber** (highlighted in a red box)
Number of fibers: 1
 Mandrel Free

DUT Configuration

End A:	IL limits: dB	Ref. limits: dB	End B:	IL limits: dB	Ref. limits: dB
LC/UPC	0.3	-55	LC/APC	0.3	-60

Polarity Type

Defined Type: A

Buttons: + Add, X Delete, Copy To, Apply, Cancel

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Right sidebar: JGR logo, Measure, Config, Browser, Settings, About and Help

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Configure your switch to have a specific channel designated for the desired Connector Type.

MS12001 - Cable Assembly Test System

Setup | Measurement | Connections | Switch Port(s) Configuration

Selected Optical Switch(es)

Serial number: 0001234567

Optical Port(s) Configuration

Port	Status	Assigned Connector	Pause Before Measurement
1	Operational	FC/APC	Continue Immediately
2	Operational	FC/UJC	Continue Immediately
3	Operational	ST/APC	Continue Immediately
4	Operational	ST/UJC	Continue Immediately
5	Operational	LC/APC	Continue Immediately
6	Operational	LC/UJC	Continue Immediately
7	Operational	Not Assigned	Continue Immediately
8	Operational	Not Assigned	Continue Immediately
9	Operational	Not Assigned	Continue Immediately
10	Operational	Not Assigned	Continue Immediately
11	Operational	Not Assigned	Continue Immediately
12	Operational	Not Assigned	Continue Immediately
13	Operational	Not Assigned	Continue Immediately
14	Operational	Not Assigned	Continue Immediately
15	Operational	Not Assigned	Continue Immediately
16	Operational	Not Assigned	Continue Immediately
17	Operational	Not Assigned	Continue Immediately
18	Operational	Not Assigned	Continue Immediately

Apply Cancel

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Each time you start a test it will activate the switch and choose the first available channel that corresponds to the connector type under test.

*For example: Running a Connector A test with the below DUT will activate channel 6 of the switch (End A is LC/UPC)

The screenshot displays the 'DUT' configuration window in the MS12001 - Cable Assembly Test System. The window is divided into several sections:

- DUT Identification:** Contains fields for Part number (LC SIMPLEX UPC-APC), Description (Simplex), Manufacturer (JGR), Maximum fiber length (m) (3), Fiber type (Singlemode - 9um), Assembly type (Multifiber-to-Multifiber), and Number of fibers (1). A 'Mandrel Free' checkbox is also present.
- DUT Configuration:** This section is highlighted with a red box. It shows two columns for 'End A' and 'End B'. Each column has a dropdown menu for connector type, and two numerical fields for 'IL limits: dB' and 'Ref. limits: dB'.

End	Connector	IL limits: dB	Ref. limits: dB
End A	LC/UPC	0.3	-55
End B	LC/APC	0.3	-60
- Polarity Type:** Contains a 'Defined Type' dropdown menu set to 'A'.
- Navigation:** Buttons for Add, Delete, Copy To, Apply, and Cancel are located at the bottom.
- Footer:** Shows 'Status: Supervisor', the date '21/08/2018', and the time '02:12 PM'.

A vertical sidebar on the right side of the window contains the JGR logo and navigation buttons: Measure, Config, Browser, Settings, and About and Help.