

# DSX-1R 56-Port Rear Wire Wrap

Model SA-2115-1001



## NAME

**DSX-1 56-Port Rear Wire Wrap**

## ORDER NUMBER

**SA-2115-1001**

The Comtest Networks DSX-1R is a 56-port rear wire wrap unit that allows permanent cabling at DS1 (1.544 Mbps) digital signal rates that cross-connects between network elements such as office repeaters, digital switches, channel banks, digital loop carriers, multiplexers, and digital loop switches. The DSX-1 enables terminating, rearrangement or temporary patching of DS1 circuits as trouble occurs or traffic demand and patterns change. Each network element can be permanently cabled to a DSX-1 terminal or can be temporarily connected using a cross-connect jumper or patch cables between two DSX-1 terminations.

The DSX-1 provides three connection areas ("fields")

1. input/output (I/O) for network element connections
2. cross-connect (circuit completion)
3. jack (monitoring or patching).

The test points provide bridged and series access for testing or patching.



## BENEFITS

- Network element replacement and testing without service interruption
- Faster out of service recovery
- Basic maintenance & physical layer access
- Increased capacity and faster service provisioning
- Protection of electronic equipment and network element and better service reliability
- Easy future network migration & planning

## SPECIFICATIONS

### DIMENSIONS (H X W X D)

152 x 483 203 mm

6 x 19 x 8 "

### Advantage to hard wired arrangement:

- The DSX-1R can handle a large number of terminations in a non-blocking arrangement

- Easier grooming- adding, removing, and rearranging circuit connections
- Provides alternate routing and fast service recovery in case of network element failure
- Provides quick access to circuits for testing and monitoring
- Circuits can be rolled with minimal interruption of circuit integrity
- Provides visual LED indication of completed cross-connects

**Electrical Parameters:**

- 100 Ohms circuit/line impedance at 772 kHz
- Total insertion loss created by the terminal connections at DSX-1 panel and DSX-1 jack at 772 kHz is less than 0.5 dB
- Return loss - the sum of reflected losses at half line rate (772 kHz) is less than 26 dB, measured at the output test port
- Crosstalk - Disturbing signals from adjacent ports is less than 26 dB