

Low-Profile Modular DSX-3 System

Up to 24 Terminations, DSX + Active Functionality

Overview

Telect's Broadband Connectivity System (BCS) combines the traditional network management advantages of a DSX with unique active functionality—all in a space-saving design that you can customize to fit the application. Module choices include a broad range of DSX-3 configurations, along with active repeater modules and interconnect systems.

Applications

- High-density central office bays
- Compact horizontal chassis for remote sites
- Enterprise networks

Primary Benefits

- High density—up to 24 terminations in just 4 inches of vertical rack space
- 1 RU horizontal chassis provides up to 10 terminations in just 1.75 inches for ultra-high density
- Chassis handles traditional DSX and active functionality in a modular format
- DSX-3 module options include 3-port, 4-port and 6-port
- Repeater and DS3 extension modules also available for signal extension in the same chassis
- Patented PCB technology minimizes impedance variance common to coax systems
- Pre-wireable backplane lets you cable equipment to the chassis before installing modules and defer costs until circuits are required
- All Telect DSX-3 products are backed by Telect's DSX lifetime warranty



Telect's BCS product line features a variety of chassis and module options. Above, top is a horizontal 1 RU 19-inch chassis with 4-port DSX modules. Middle and bottom are 23-inch/24-position chassis with a variety of modules installed.

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Ordering Information

Description	Part Number
<i>Chassis</i>	
19"/18-termination	010-0000-0401
23"/24-termination	010-0000-1401
23"/48-termination	010-0000-1448
19"/8-termination horizontal 1 RU	010-0000-0471
23"/10-termination horizontal 1 RU	010-0000-1471
<i>DSX-3 Modules</i>	
6-port mini-WECO	010-8401-0410
4-port mini-WECO	010-8401-0401
4-port standard WECO	010-8411-0401
3-port mini-WECO	010-8401-0407
3-port standard WECO	010-8411-0407
<i>Active Modules</i>	
Simplex repeater	710-8401-0002
Duplex repeater	710-8401-0005
<i>Front Cross-Connect System</i>	
23"/48-termination chassis	010-0000-1460
3-port module, mini-WECO	010-8401-0460
<i>Interconnect System</i>	
23"/24-position chassis	010-8401-1402
6-port interconnect module, mini-WECO	010-8401-0402
<i>Accessories</i>	
Blank faceplate	010-8400-0000
Cross-connect ring kit	999-8400-0003
Designation holders	999-8400-0008
BNC patch cord removal tool	907197
Mini-WECO terminating plug	100293
Standard WECO looping plug	096032
Pin plug	096027
Mini-WECO circuit guard	PLG-MW-BLK
Standard WECO circuit guard	PLG-SW-BLK

Chassis Dimensions

19" traditional	19" W x 4" H x 12" D (483 mm x 102 mm x 305 mm)
23" traditional	23" W x 4" H x 12" D (584 mm x 102 mm x 305 mm)
19" horizontal	19" W x 2" H x 12" D (483 mm x 51 mm x 305 mm)
23" horizontal	23" W x 2" H x 12" D (584 mm x 51 mm x 305 mm)

DSX-3 Jack Specifications

Electrical

Insertion loss	< 0.30 dB at DS3 signal rates for assemblies that do not include a monitor network < 1.00 dB at DS3 signal rates for assemblies that include a single monitor network
Crosstalk	≤ -60 dB
Return loss	< -26 dB at DS3, STS-1 and E3 rates
Monitor level	21 dB +/-1.5 dB below signal level
Contact resistance	< 0.01 ohms
Characteristic impedance	75 ohms

Mechanical

Insertion force	10 lbs. (4.6 kg) maximum
Withdrawal force	7 lbs. (3.2 kg) maximum
Life	Min. 10,000 insertion/withdrawal cycles

Environmental

Thermal limits	-67 to 185°F (-55 to 85° C) operating and non-operating
Thermal shock	Per MIL-STD-202, method 107D
Humidity	0 to 95% operating and non-operating

Telect provides a complete range of DS3 patch cords/jumpers and cable assemblies. See Telect.com for details and ordering information.