## **Overview**

Telect's E64 fits 64 terminations in a standard 483 mm (19-inch) footprint, providing high circuit density while matching E1 32 channel circuit grouping and standard 600 mm ETSI racking practices.

Dual monitor jacks for each circuit help save time and operational costs by enabling access to both directions of a signal from a single location, significantly simplifying maintenance and trouble-shooting.

# Applications

- Traditional digital E1 distribution frames
- · High-density central office bays
- · Individual panels for remote sites and other smaller applications

## **Primary Benefits**

- Bi-directional monitoring jacks allow technicians to access the signal both ways from one location, simplifying maintenance and reducing operational costs
- Injection-molded jacks and patented straight-leaf design ensure a guaranteed lifetime of reliable connections
- Removable single-circuit jack design lets you access individual circuits without impacting other terminations
- High density—64 terminations in just 13 cm (5.25 in.) of vertical space
- · Handles all standard Bantam patch cords
- · Choose from BNC or wire-wrap I/O to fit your application
- · Backed by Telect's lifetime warranty





## **Specifications**

### E1 DSX Jacks

Test Method: Dedicated Digital Jack Unless otherwise specified, all appropriate products are tested under MIL-J-641, method 202F

### Electrical

(BNC 75 ohm to 120 ohm characteristic impedance)

Insertion loss (out through in):	0.7 dB at 1.024 MHz
Adjacent channel crosstalk (circuit 1 to 2):	-70 dB at 1.024 MHz
Inter-channel crosstalk (out to in):	-70 dB at 1.024 MHz
Return loss (out through in):	-20 dB at 1.024 MHz
Monitor level (jack out):	-20 dB (-1 dB +0.5 dB)
Monitor level (jack in):	-20 dB (-1 dB +0.5 dB)
Monitor level (rear out):	-20 dB (-1 dB +0.5 dB)

### Electrical

(Wire-wrap, passes the characteristic impedance of 120 ohm)

Insertion loss (out through in):	0.1 dB at 1.024 MHz
Adjacent channel crosstalk (circuit 1 to 2):	-60 dB at 1.024 MHz
Inter-channel crosstalk (out to in):	-70 dB at 1.024 MHz
Return loss (out through in):	-30 dB at 1.024 MHz
Monitor level (jack out):	-20 dB (-1 dB +0.5 dB)
Monitor level (jack in):	-20 dB (-1 dB +0.5 dB)
Monitor level (rear out):	-20 dB (-1 dB +0.5 dB)

### Mechanical

Insertion Force	4.17 lb (1.9 kg) average
Withdrawal Force	5.21 lb (2.4 kg) average
Life	Minimum 20,000 insertion/withdrawal cycles
Vibration	Per MIL-STD-202F, method 201A

### Meets Or Exceeds The Following Tests

DC Insulation Resistance	TA-EOP-000321
DC Current	TR-NPL-000320
Contact Resistance and Jack Insertions	TA-EOP-000321
Insertion Loss	TR-NPL-000320
Monitor Jack Level	TR-NPL-000320
Crosstalk	TR-NPL-000320
Return Loss	TR-NPL-000320
Moisture Resistance	Method 106E
Thermal Shock	Method 107G
Life Cycle	Method 108A
Salt Spray	Method 101D
Vibration	Method 201A
Part 15, subpart J, FCC Rules	TR-NWT-000063

#### Environmental

Salt Spray	Per MIL-STD-202F, method 101D
Moisture Resistance	Per MIL-STD-202F, method 10
Thermal Limits	-40 to 149°F (-40 to 65°C) operating -67 to 185°F (-55 to 85°C) non-operating
Thermal Shock	Per MIL-STD-202, method 107D
Humidity	0% to 95% operating and non-operating

Panel Dimensions

48.26 cm W x 13.34 cm H x 17.78 cm D (19 in. W x 5.25 in. H x 7 in. D)





E64-5001-1100RE shown

## **Ordering Information**

Description	Part Number
64-Termination Front Cross-Connect Panels	
Wire-wrap I/O, 10x10 cm (4x4) rings	E64-5001-1100RE
BNC connectors I/O, 10x10 cm (4x4) rings	E64-5001-1200RE

#### Accessories

Single Blue Nickel Bantam patch cords	040-1000-xxx
Dual Blue Nickel Bantam patch cords	040-2000-xxx
Bantam looping plugs	040-3000-0000
5-conductor cross-connect wire, 1000' reel	060115

