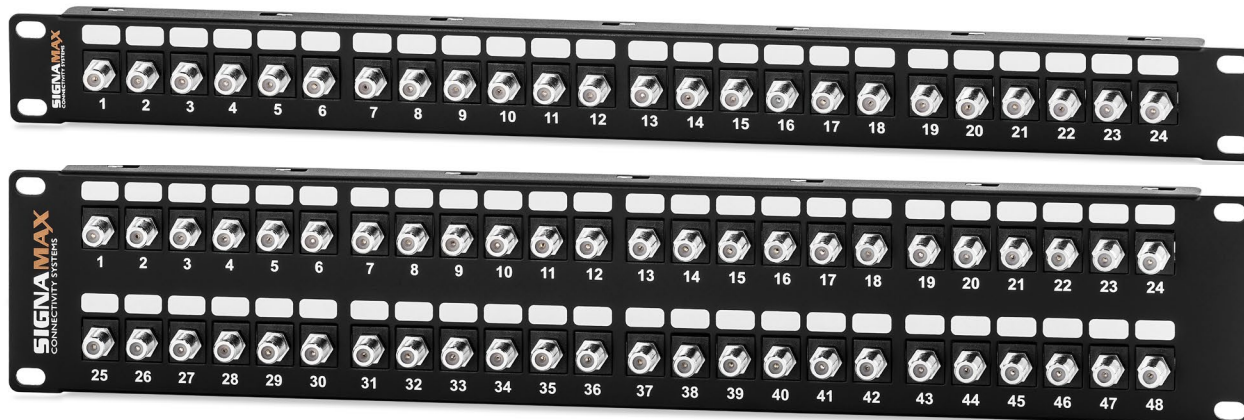


Product Specifications

F-Type Connector Feed-Thru Patch Panels



KEY FEATURES

- Meets EIA/ECA-310-E 19" mounting standards
- Feed-Thru bronze shell with 75 Ohm 1 or 3 GHz transmission performance
- Connectors and Panel are galvanically isolated to eliminate stray currents
- Integrated or removable rear cable management bar

ORDERING INFORMATION

PART NO.	DESCRIPTION
24FHD-FT	24-Port 1-GHz F-Type High-Density Feed-Thru Patch Panel, 1.75" High
48FHD-FT	24-Port 1-GHz F-Type High-Density Feed-Thru Patch Panel, 3.50" High
24F3HD-FT	24-Port 3-GHz F-Type High-Density Feed-Thru Patch Panel, 1.75" High
48F3HD-FT	24-Port 3-GHz F-Type High-Density Feed-Thru Patch Panel, 3.50" High

SPECIFICATIONS

TRANSMISSION PERFORMANCE and MEDIA

F: up to 1 MHz, F3: up to 3 MHz
Coaxial, 75 Ohm (RG6/U, RG-58/U)

ELECTRICAL

Frequency Range: F: 1 GHz DC, F3: 3 GHz DC
Characteristic impedance: 75 Ohm
Insertion Loss: F: < 0.3 dB, F3: < 0.2 dB
Return Loss: F3: > 30 dB
Contact resistance: <4 mOhm
Insulation resistance: min 500 MOhm at 100Vdc
Capacitance: min 2 x 1.5 nF
Operational/Test/Peak Voltage: 250 Vdc/750 Vdc for 1 min/ 500V
Dielectric withstanding voltage: 1 500 Vrms
Feed-through current: max 10 A

CONSTRUCTION

Panel:
Front: Steel with corrosive resistant black finish
Rear: Steel
Jack:
Housing: High-impact thermoplastic, UL94V-0 fire-retardant
Shell: Brass, Nickel plated
Seizing Pin: F: Bronze alloy, tin-plated, F3: beryllium bronze, gold-plated

MECHANICAL

Holding Force: > 160 g (initial), > 120 g (after insertion)
Mating Cycle Life: Min 500
Interface dimensions: similar to MIL-C-39012
Housing shall support 2.2 kgf min applied from either direction
MOUNTING DIMENSIONS:
Panel: 19-in rack mountable
Height:
24FHD-FT/24F3HD-FT: 1 RMU (1.75" (44.45 mm))
48FHD-FT/48F3HD-FT: 2 RMU (3.50" (44.45 mm))
F-Type Connector: 1.18" D x 0.65" W x 0.77" H (30 mm x 16.5 mm x 19.7 mm)

ENVIRONMENTAL CONDITIONS

Operating Temperature: 14 °F to 140 °F (-10 °C to 60 °C)
Storage Temperature: -40 °F to 158 °F (-40 °C to 70 °C)
Operating RH: 93% Max (non-condensing)
Vibration, shock and temperature cycling in accordance with MIL-STD-1344

COMPLIANCE

ANSI/SCTE 02, IEC 60169-24, UL 94V-0

APPLICATIONS

Over-the-air television, cable television, satellite television, cable modems

WARRANTY

5 - Year Limited Component