

Tech Data

PATCH PANEL

BNC

BNC 12G-SDI



Description

- **2 rows** with up to **24, BNC 12G-SDI 75 Ω connectors.**
- **According to SMPTE ST 2082-1** for 12G-SDI signals.
- Compatible with **IEC 61169-8.**
- Thermoplastic Insulation plate in order to isolate connectors and chassis.
- Connectors with robust encapsulated for prolonged use.

(*) Patchbay drawing with 1 X 24 BNC 12G-SDI connectors.

MODEL	REFERENCE
12 connectors per row: 1 x 12	PTR3998
24 connectors per row: 1 x 24	PTR4000
24 connectors per row: 2 x 24	PTR4293

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The **12G-SDI Patchbay** is a panel which allows up to 24 connectors per row, these connectors are compatible with **SMPTE ST 2082-1 standard**.

Según *SMPTE 2082-1:2015*

Frequency	Return loss
5 MHz - 1.485 GHz	-15 dB
1.485 GHz - 3 GHz	-10 dB
3 GHz - 6 GHz	-7 dB
6 GHz - 12 GHz	-4 dB

This patchbay goes on line with the **Pinanson Patchbays** of 19" (Note 2) made of extruded aluminium, maintaining the appearance and durability at the same time.

Note 2: Consult other formats.

Applications

For installations where is necessary the suitable 12G-SDI digital video signal transmission according to **SMPTE ST 2082-1 standards**.

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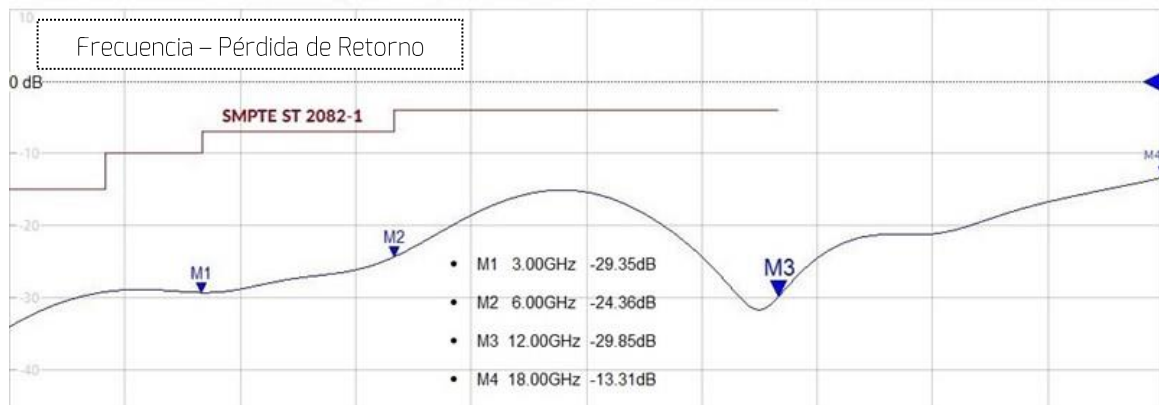
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Electrical Characteristics

Characteristic Impedance	75 Ω
Frequency Range	Hasta 18 GHz
Dielectric Withstand Voltage	1500 V _{eff}
Insulation Resistance	5000 M Ω
Return Loss	
3 GHz	-29.35 dB
6 GHz	-24.36 dB
12 GHz	-29.85 dB
18 GHz	-13.31 dB



Mechanical Characteristics

Designed Standard	IEC 61169-8
Mating Cycles	500 Cycles
Contact Retention	10 N min.
Cable Retention	50 N min.
Mating Force	13.6 N max.
Un-Coupling Force	13.6 N max.

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Physical Characteristics

BNC 12G-SDI connector

Central Contact:

Material: Beryllium – Copper.

Finish: Gold plating.

Insulator:

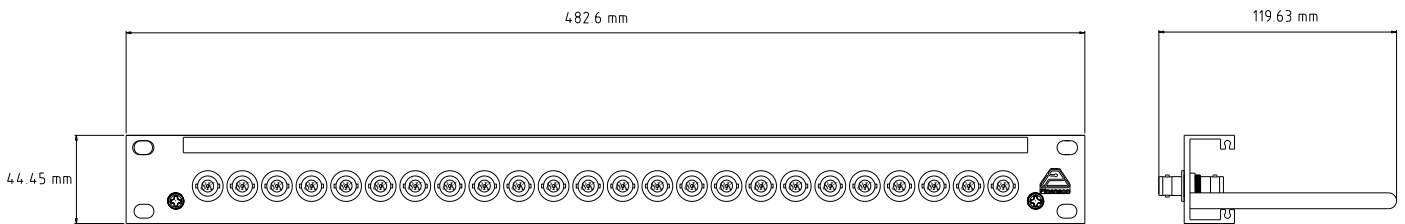
PTFE (Polytetrafluoroethylene).

Body:

Material: Brass

Finish: Nickel plating.

Panel





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Normative

IEC 61169-8

Radio-frequency connectors.

SMPTE ST2082-2:2015

12Gb/s Signal/Data Serial Interface – Electrical



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For possible changes due to continuous product improvements; Pinanson S.L. reserves the right to change the showed data in this document without notice. The data presented here correspond to the time it was compiled.