

CANFORD microMUSA 12G 4K UHD Standard and High Density Patch Panels



32 way patch panel front and back view illustrated

- 48-4501 CANFORD microMUSA 12G UHD PATCH PANEL 1U 2x24 microMUSA, grey
- 48-4502 CANFORD microMUSA 12G UHD PATCH PANEL 1U 2x24 microMUSA, dark grey
- 48-4503 CANFORD microMUSA 12G UHD PATCH PANEL 1U 2x24 microMUSA, black
- 48-4506 CANFORD microMUSA 12G UHD PATCH PANEL 1U 2x32 microMUSA, grey
- 48-4507 CANFORD microMUSA 12G UHD PATCH PANEL 1U 2x32 microMUSA, dark grey
- 48-4508 CANFORD microMUSA 12G UHD PATCH PANEL 1U 2x32 microMUSA, black

Canford microMUSA video patch panels developed for the increasing demand for 4K UHD capable signal routing/patching. Performance exceeds the requirements of SMPTE ST 2082-1 making them suitable for composite and component analogue video, 270 Mb/s SDI, uncompressed 1080i or 1080p HD-SDI video and 4K UHD (2160P60) video up to 12GHz.

The microMusa format offers the highest possible density in a single 1U panel with a maximum of 48 patches possible for the very high density panel, (see separate data sheet for such). A feature of Canford microMUSA video patch panels is a unique positive location feature (“detent”) that indicates when a U-link or patchcord is fully mated into the panel whilst additionally providing resistance to disconnection through vibration as found in some environments such as OB vehicles. Designed and made to the same very high standards as our 3G MUSA panels microMusa patch panels are not compatible with existing Canford 3G MUSA U-Links and patchcords range due its much smaller form format.

Like the original 3G MUSA system, the microMUSA is a non-normalised system and therefore U-links or patchcords are required to make the circuit. Rear connection is via staggered standard BNC sockets on the 24 standard and 32 way high density variants. Connector configuration is two rows in 1U. The body parts are nickel-plated and centre contacts are gold plated giving a smooth mating action

Panels are manufactured from a rigid aluminium extrusion and are fitted with two lacing-bars and two 5mm wide x 444mm length snap-on designation strips (type 1).

Templates for printing designation strip labels, available as a DWG file for AutoCAD and compatible applications, can be downloaded from the appropriate product page on the Canford website.

Depth behind panel, including lacing-bar, 180mm.

Finished in Dawn Grey (BS4800-10A03), Dark Grey or Black as standard. Other colours may be available to special order but could be subject to a minimum order quantity.

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SPECIFICATIONS

Electrical

Impedance	75 Ohm
Frequency Range	Up to 12GHz
Dielectric Withstand Voltage	1000 Veff
Insulation Resistance	10000 M-Ohm

Mechanical

RoHS3 Compliant	Yes
Mating Cycles	5000
Contact Retention	10N max
Un-Coupling Force	25N max

Environmental

Operating Temperature	-30 to +70 Deg C
IP Rating (Mated)	IP30

Materials

Centre Contact	Beryllium Copper
Outer Contact	Phosphor Bronze
Insulator	PTFE
Centre Contact Plating	Gold
Outer Contact Plating	Nickel

Performance

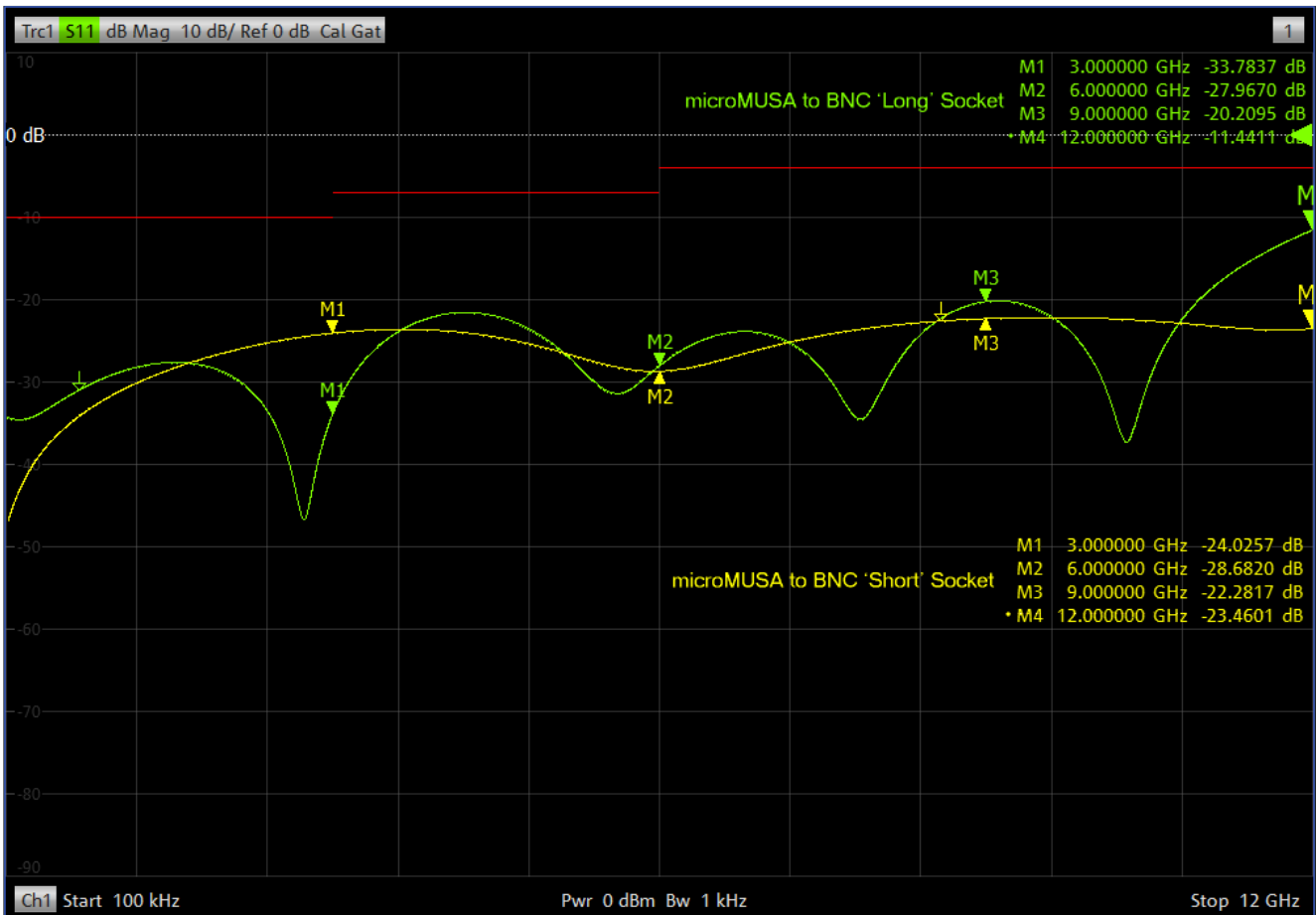
Return Loss

microMUSA to BNC 'Long' Socket

3Ghz	-33.78 dB
6Ghz	-27.97 dB
9Ghz	-20.21 dB
12Ghz	-11.44 dB

microMUSA to BNC 'Short' Socket

3Ghz	-24.03 dB
6Ghz	-28.68 dB
9Ghz	-22.28 dB
12Ghz	-23.46 dB



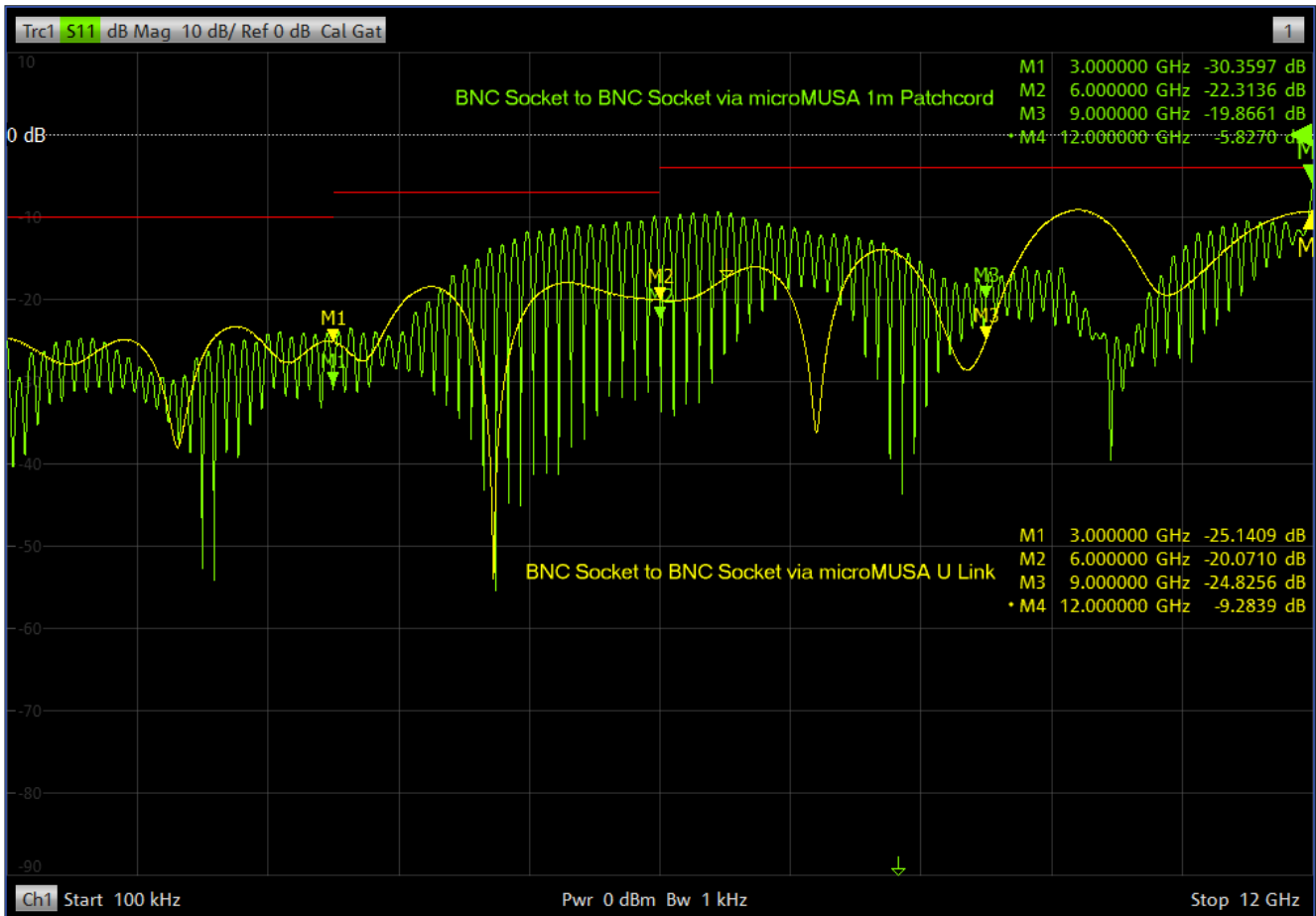
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BNC Socket to BNC Socket via microMUSA 1m Patchcord

Return Loss	3Ghz	-30.36 dB
	6Ghz	-22.31 dB
	9Ghz	-19.87 dB
	12Ghz	- 5.83 dB

BNC Socket to BNC Socket via microMUSA U Link

Return Loss	3Ghz	-25.14 dB
	6Ghz	-20.07 dB
	9Ghz	-24.83 dB
	12Ghz	- 9.28 dB



Dimensions

Width	Standard 19" rack mount
Height	1U (45.45mm)
Depth	180mm from panel to rear lacing bars

Accessories

- 48-4520 CANFORD microMUSA 12G UHD U-LINK, Black
- 48-4521 CANFORD microMUSA 12G UHD U-LINK, Brown
- 48-4522 CANFORD microMUSA 12G UHD U-LINK, Red
- 48-4523 CANFORD microMUSA 12G UHD U-LINK, Orange
- 48-4524 CANFORD microMUSA 12G UHD U-LINK, Yellow
- 48-4525 CANFORD microMUSA 12G UHD U-LINK, Green
- 48-4526 CANFORD microMUSA 12G UHD U-LINK, Blue
- 48-4527 CANFORD microMUSA 12G UHD U-LINK, Violet
- 48-4528 CANFORD microMUSA 12G UHD U-LINK, Grey
- 48-4529 CANFORD microMUSA 12G UHD U-LINK, White

CANFORD microMUSA 12G 4K UHD Standard and High Density Patch Panels

45-5900 CANFORD microMUSA 12G UHD PATCHCORD 300mm Black
45-5901 CANFORD microMUSA 12G UHD PATCHCORD 300mm Brown
45-5902 CANFORD microMUSA 12G UHD PATCHCORD 300mm Red
45-5903 CANFORD microMUSA 12G UHD PATCHCORD 300mm Orange
45-5904 CANFORD microMUSA 12G UHD PATCHCORD 300mm Yellow
45-5905 CANFORD microMUSA 12G UHD PATCHCORD 300mm Green
45-5906 CANFORD microMUSA 12G UHD PATCHCORD 300mm Blue
45-5907 CANFORD microMUSA 12G UHD PATCHCORD 300mm Violet
45-5908 CANFORD microMUSA 12G UHD PATCHCORD 300mm Grey
45-5909 CANFORD microMUSA 12G UHD PATCHCORD 300mm White

45-5910 CANFORD microMUSA 12G UHD PATCHCORD 450mm Black
45-5911 CANFORD microMUSA 12G UHD PATCHCORD 450mm Brown
45-5912 CANFORD microMUSA 12G UHD PATCHCORD 450mm Red
45-5913 CANFORD microMUSA 12G UHD PATCHCORD 450mm Orange
45-5914 CANFORD microMUSA 12G UHD PATCHCORD 450mm Yellow
45-5915 CANFORD microMUSA 12G UHD PATCHCORD 450mm Green
45-5916 CANFORD microMUSA 12G UHD PATCHCORD 450mm Blue
45-5917 CANFORD microMUSA 12G UHD PATCHCORD 450mm Violet
45-5918 CANFORD microMUSA 12G UHD PATCHCORD 450mm Grey
45-5919 CANFORD microMUSA 12G UHD PATCHCORD 450mm White

45-5920 CANFORD microMUSA 12G UHD PATCHCORD 600mm Black
45-5921 CANFORD microMUSA 12G UHD PATCHCORD 600mm Brown
45-5922 CANFORD microMUSA 12G UHD PATCHCORD 600mm Red
45-5923 CANFORD microMUSA 12G UHD PATCHCORD 600mm Orange
45-5924 CANFORD microMUSA 12G UHD PATCHCORD 600mm Yellow
45-5925 CANFORD microMUSA 12G UHD PATCHCORD 600mm Green
45-5926 CANFORD microMUSA 12G UHD PATCHCORD 600mm Blue
45-5927 CANFORD microMUSA 12G UHD PATCHCORD 600mm Violet
45-5928 CANFORD microMUSA 12G UHD PATCHCORD 600mm Grey
45-5929 CANFORD microMUSA 12G UHD PATCHCORD 600mm White

45-5930 CANFORD microMUSA 12G UHD PATCHCORD 900mm Black
45-5931 CANFORD microMUSA 12G UHD PATCHCORD 900mm Brown
45-5932 CANFORD microMUSA 12G UHD PATCHCORD 900mm Red
45-5933 CANFORD microMUSA 12G UHD PATCHCORD 900mm Orange
45-5934 CANFORD microMUSA 12G UHD PATCHCORD 900mm Yellow
45-5935 CANFORD microMUSA 12G UHD PATCHCORD 900mm Green
45-5936 CANFORD microMUSA 12G UHD PATCHCORD 900mm Blue
45-5937 CANFORD microMUSA 12G UHD PATCHCORD 900mm Violet
45-5938 CANFORD microMUSA 12G UHD PATCHCORD 900mm Grey
45-5939 CANFORD microMUSA 12G UHD PATCHCORD 900mm White

45-5940 CANFORD microMUSA 12G UHD PATCHCORD 1200mm Black
45-5941 CANFORD microMUSA 12G UHD PATCHCORD 1200mm Brown
45-5942 CANFORD microMUSA 12G UHD PATCHCORD 1200mm Red
45-5943 CANFORD microMUSA 12G UHD PATCHCORD 1200mm Orange
45-5944 CANFORD microMUSA 12G UHD PATCHCORD 1200mm Yellow
45-5945 CANFORD microMUSA 12G UHD PATCHCORD 1200mm Green
45-5946 CANFORD microMUSA 12G UHD PATCHCORD 1200mm Blue
45-5947 CANFORD microMUSA 12G UHD PATCHCORD 1200mm Violet
45-5948 CANFORD microMUSA 12G UHD PATCHCORD 1200mm Grey
45-5949 CANFORD microMUSA 12G UHD PATCHCORD 1200mm White

45-3052 CANFORD SNAP-ON DESIGNATION STRIP-1 444mm paper (pack of 4)
45-3062 CANFORD SNAP-ON DESIGNATION STRIP-1 444mm cover (pack of 4)