

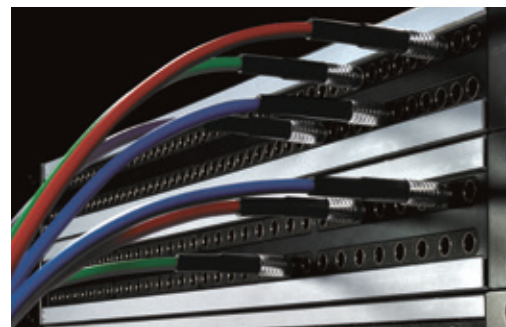
Panels and Patchbays

75Ω Video Patchbays

Overview

Video patchbays, as a backup or a final means for safety in a routing system, often face high demand on stable and constant patching connections and contacts. Over the decades, Canare has focused on these essentials and has developed the solutions for the latest video format such as 4K/8K.

The following table will help finding the right panels for you.



Product Finder

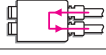
Page	74	75	76	77	78
Applications	4K/8K 12G-SDI 6G-SDI	4K/8K 12G-SDI 6G-SDI	2K/4K 3G-SDI HD-SDI	2K/4K 3G-SDI HD-SDI	2K/4K 3G-SDI HD-SDI
Patchbays					
Channels	32MCK-ST*	32SVK-ST	48MC*	32MD-ST*	2xDV*
Jacks					
Self Terminating	Yes	No	Yes	Yes	Yes
Front	Canare MCV	Canare SV	Canare MCV	Mini-WECO	WECO
Rear	BNC	BNC	DIN 1.0/2.3	BNC	BNC
Panel Option	1 RU	1 RU	1 RU	1 RU, 2 RU, 4 RU	1 RU, 2 RU
NET Weight (approx.)	2.8 kg	1.7 kg	2.3 kg	1 RU: 2.9 kg 2 RU: 3.9 kg 4 RU: 8.0 kg	20DV: 2.4 kg (1 RU) 24DV: 2.7 kg (1 RU) 26DV: 2.8 kg (1 RU)
SMPTE	ST 2081-x ST 2082-x		ST 292 ST 424 ST 425-x		
Features	Mechanical switch with Dust-proof Shutter	MUSA style Hassle-free patching	Mechanical switch with Dust-proof Shutter	100% sealed rotary switch	100% sealed rotary switch
Patch Cord/U-Link					
	MCVPC**	SVP-ULK SVPC**	MCVPC**	MVPC**	VPC**-WC

WECO: Western Electric Company (W.E. standard)

Technical Note

Dual Video Jack Normalising Chart

There are two types of dual video jacks: Normal Through and Straight Through. In Canare, these are identified at the end of the model name, W means the former and S means the latter. The following chart explains the differences between two types.

W type (Normal Through)			
Video Port: No Patch		BNC Port: Signal thru as Arrowed	Signal routes between top and bottom BNC without the use of Video plugs.
Video Port: Patch Upper		BNC Port: Lower Terminated	Inserting a Video Patch Cord into front "upper" port automatically terminates signal path into the lower 75Ω load.
Video Port: Patch Lower		BNC Port: Upper Terminated	Inserting a Video Patch Cord into front "lower" port automatically terminates signal path into the upper 75Ω load.
Video Port: Patch Both		BNC Port: Signal thru as Arrowed	Inserting Video Patch Cords into both front ports inputs and/or outputs signal.

S type (Straight Through)			
Video Port: No Patch		BNC Port: Both Signal Terminated	Two independent single jacks in a dual housing.
Video Port: Patch Upper		BNC Port: Lower Terminated	Inserting a Video Patch Cord into front "upper" port automatically terminates signal path into the lower 75Ω load.
Video Port: Patch Lower		BNC Port: Upper Terminated	Inserting a Video Patch Cord into front "lower" port automatically terminates signal path into the upper 75Ω load.
Video Port: Patch Both		BNC Port: Signal thru as Arrowed	Inserting Video Patch Cords into both front ports inputs and/or outputs signal.

Panels and Patchbays

75Ω Video Patchbays

75Ω Staggered Video Patchbays

The next-generation 12G-ready video patchbays with newly developed staggered dual video jacks.

■ Patchbays **12G-SDI**

Model	Panel Size	Loaded Video Jacks
32MCK-ST	1 RU	32 x MCVJK-STW
32MCK-STs	1 RU	32 x MCVJK-STs

Color: black *5 custom colors available. Contact us for more details.

Key Features and Benefits

- 12G-SDI: SMPTE ST 2082-1 compliant
- 32 channels of I/O into 1 RU
- Staggered BNC rear jacks
- Dust-proof shutter
- Included a sheet of channel designator for easy identification.
- Can be recessed 25 mm.
- Lightweight aluminum alloy video jacks

Note : Be sure to use with Canare Micro Video Plug.

■ Dual Video Jacks

Model	Description	Rear Jacks
MCVJK-STW	Normal through, Staggered rear jacks	BNC
MCVJK-STs	Straight through, Staggered rear jacks	BNC

■ Micro Video Plug

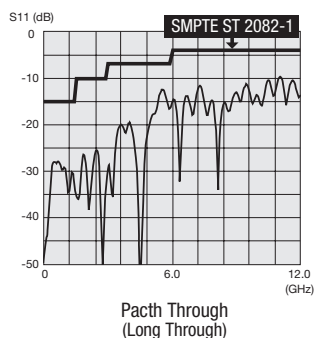
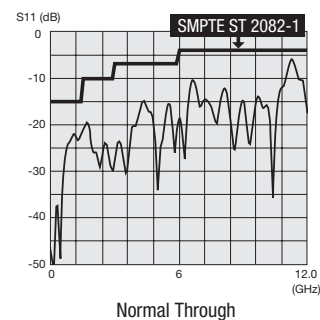
Model	Suitable Cable	Boot	Die Set
MCVP-C25HW	L-2.5CHWS	—	TCD-D253F

*Standard package: 20 pcs

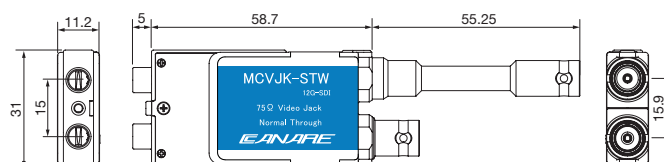
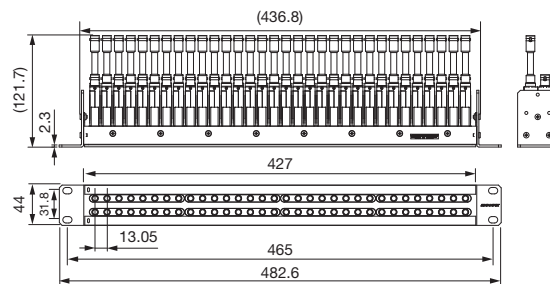
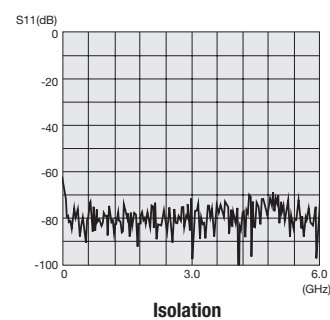
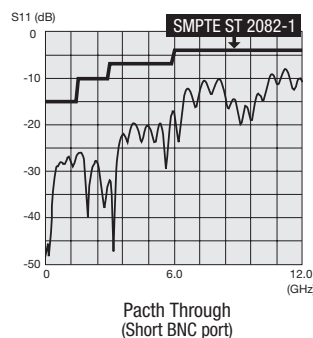
*The plug is specifically designed for MCVJ and MCVJK jacks.

■ Accessories

Model	Description
MCVJ-DC	Duct cap (black, 100 pcs)
MCVPC**	Patch cords (see page 91)
BET-12	BNC extraction tool (see page 47)
MJ2-M32CK-1U-***	Unloaded panels (see page 80)



Return Loss for MCVJK-STW



Return Loss & Isolation

Model	MCVJK-STW	MCVJK-STs
RL	BNC-BNC: Normal Through	—
	BNC-Video: Patch Through	15 dB or greater @ 1.5 GHz 10 dB or greater @ 3 GHz 7 dB or greater @ 6 GHz 4 dB or greater @ 12 GHz
	BNC-Self Termination	15 dB or greater @ 1.5 GHz 10 dB or greater @ 3 GHz 7 dB or greater @ 6 GHz 4 dB or greater @ 12 GHz
Isolation		45 dB or greater @ 6 GHz

75Ω Single Video Patchbay

Introducing another 12G-SDI video patch series. The complete range of MUSA style patching system includes 32-channel 1 RU or 2 RU panels, single jacks, U-link, termination plug, and patch cords.

Patchbay 12G-SDI

Model	Panel Size	Loaded Video Jacks
32SVK-ST	1 RU	32 x SVJK-S 32 x SVJK-L

Color: black *9 custom colors available. Contact for more details.

Key Features and Benefits

- 12G-SDI: SMPTE ST 2082-1 compliant
- Canare original hassle-free patching design
- Staggered BNC rear jacks
- Lightweight aluminum alloy jacks
- Can be recessed 25 mm

Single Video Jacks

Model	Description	Rear Jack
SVJK-S	Short type	BNC
SVJK-L	Long type	BNC

*Adapter plates: SVJK-AP should be used for loading the jacks. Call for the details.

Single Video Plug

Model	Suitable Cable	Boot	Die Set
SVP-C25HW	L-2.5CHWS	CB02	TCD-D253F

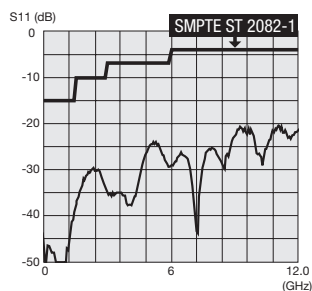
*Standard package: 20 pcs

U-link and Termination Plugs

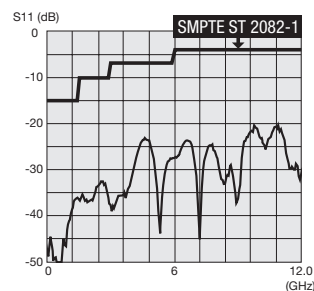
Model	Description
SVP-TK	Termination plug (standard package 20 pcs)
SVP-ULK	U-link/Looping plug

Accessories

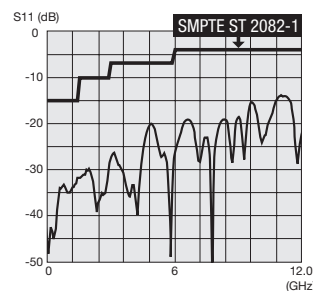
Model	Description
SVJK-DC	Dust cap (black, 10 pcs)
SVPC**	Patch cords (see page 91)
BET-12	BNC extraction tool (see page 47)
MJ2-M32-*U-***	Unloaded panels (see page 80)



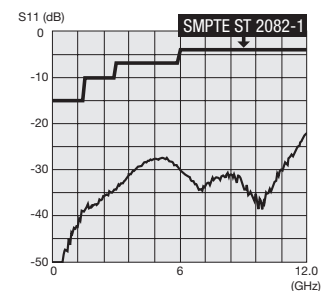
SVJK-S



SVJK-L



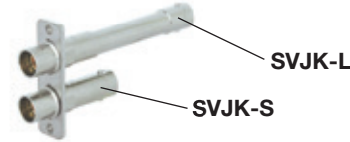
SVJK-S & -L with SVJP-ULK



SVP-TK

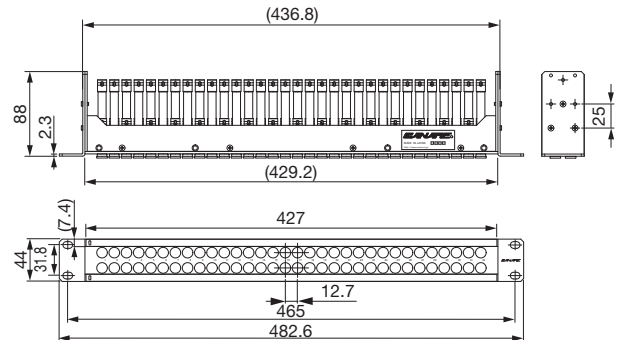


32SVK-ST



SVJK-L

SVJK-S



SVP-ULK



(back)



SVPC**

Return Loss

Model	SVJK-S, SVJK-L	SVP-TK	SVP-ULK
@ 3 GHz	26 dB or greater	25 dB or greater	20 dB or greater
@ 6 GHz	20 dB or greater	20 dB or greater	13 dB or greater
@ 12 GHz	15 dB or greater	15 dB or greater	7 dB or greater

Panels and Patchbays

75Ω Video Patchbays

75Ω Micro Video Patchbays

Our unique, thinnest and lightest video jacks realize ultimate space efficiency.

■ Patchbays

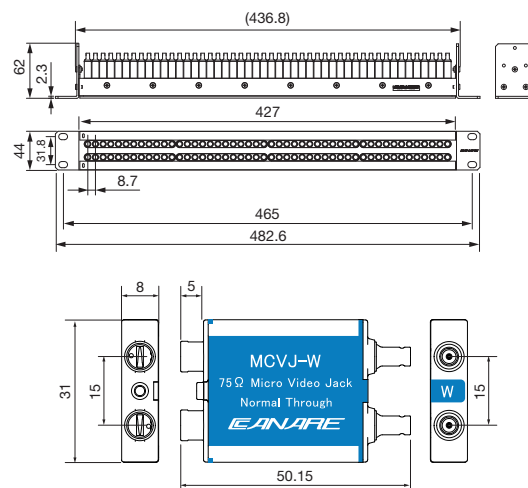
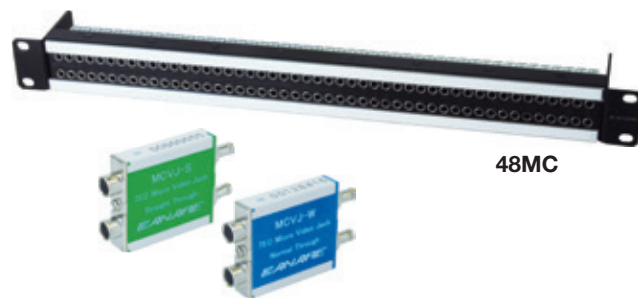
Model	Panel Size	Loaded Video Jacks
48MC	1 RU	48 x MCVJ-W
48MCS	1 RU	48 x MCVJ-S

Color: black *5 custom colors available. Contact us for more details.

Key Features and Benefits

- High density 48 channels of I/O into 1 RU design.
- Video jack weights 35 g and is half of our conventional one.
- Space and weight saving; beneficial to O.B. vans
- DIN 1.0/2.3 rear jacks.
- Dust-proof shutter
- Included a sheet of channel designator for easy identification.
- Can be recessed 25 mm.
- 3G-SDI: SMPTE ST 424 compliant

Note : Be sure to use with Canare Micro Video Plug.



■ Dual Video Jacks

Model	Description	Rear Jacks
MCVJ-W	Normal through	DIN 1.0/2.3
MCVJ-S	Straight through	DIN 1.0/2.3

■ Micro Video Plug

Model	Suitable Cable	Boot	Die Set
MCVP-C25HW	L-2.5CHWS	—	TCD-D253F

*Standard package: 20 pcs

*The plug is specifically designed for MCVJ and MCVJK jacks.

■ Accessories

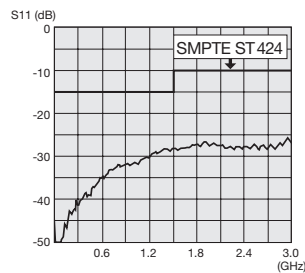
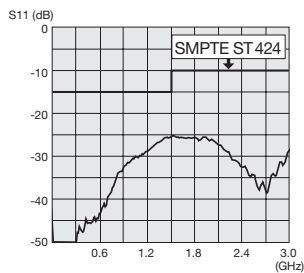
Model	Description
MCVJ-DC	Duct cap (black, 100 pcs)
MCVPC**	Patch cords (see page 91)
BET-DIN	DIN 1.0/2.3 extraction tool (see page 47)



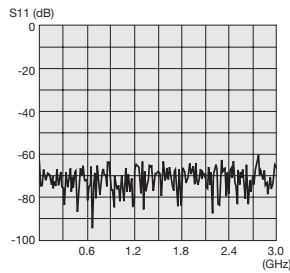
MCVP-C25HW

Return Loss & Isolation

Model	MCVJ-W	MCVJ-S
RL	DIN-DIN: Normal Through	20 dB or greater @ 3 GHz
	DIN-Video: Patch Through	20 dB or greater @ 3 GHz
	DIN-Self Termination	10 dB or greater @ 3 GHz
Isolation		45 dB or greater @ 3 GHz



Return Loss for MCVJ-W



Isolation

75Ω Staggered Mid-size Video Patchbays

3G-ready mid-size video jacks allow for more efficient use of rack space.

Patchbays

Model	Panel Size	Loaded Video Jacks
32MD-ST	1 RU	32 x MDVJ-STW
32MD-STs	1 RU	32 x MDVJ-STs
32MD-ST-2U	2 RU	32 x MDVJ-STW
32MD-STs-2U	2 RU	32 x MDVJ-STs
32MD-ST-4U	4 RU	96 x MDVJ-STW
32MD-STs-4U	4 RU	96 x MDVJ-STs

Color: black *9 custom colors available for 1 or 2 RU size. See page 79.

Key Features and Benefits

- 32 channels of I/O into 1 or 2 RU, 96 channels of I/O into 4 RU.
- Rotary Switch Technology with dual-contact construction
- Can be recessed 25 mm (1 RU, 2 RU type).
- Wide designation strip (2 RU, 4 RU type).
- Lightweight aluminum alloy video jacks.

Dual Video Jacks

Model	Description	Rear Jacks
MDVJ-STW	Normal through, Staggered rear jacks	BNC
MDVJ-STs	Straight through, Staggered rear jacks	BNC

Mini-WECO Video Plugs

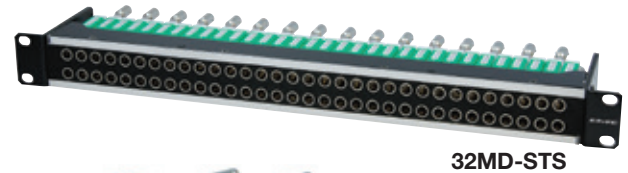
Model	Suitable Cable	Boot	Die Set
MVP-C25HW	L-2.5CHWS	CB25	TCD-D253F
MVP-C4	LV-61S, RG-59B/U, Belden 8241, 8279, 88241	CB25	TCD-451CA TCD-4CA

*Standard package: 20 pcs

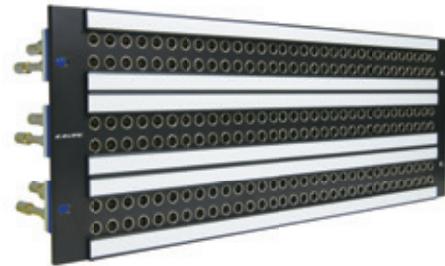
Accessories

Model	Description
MVPC**	Mini-WECO patch cords (see page 91)
BCJ-MVP	BNC (female) to Mini-WECO plug conversion adapter (10 pcs)
BET-12	BNC extraction tool (see page 47)
MVJ-DC	Duct cap (black, 40 pcs)
MJ2-M32-*U-***	Unloaded panels (see page 80)
VJ2-M32-4U	

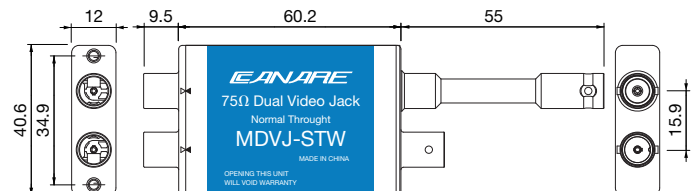
*BCJ-MVP is recommended to use with Slim BNC plug (see page 31)



32MD-STs



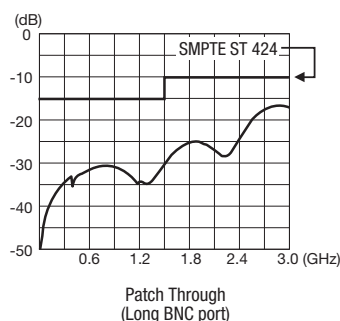
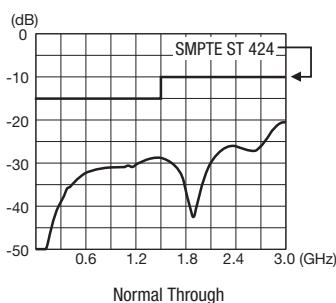
32MD-ST-4U



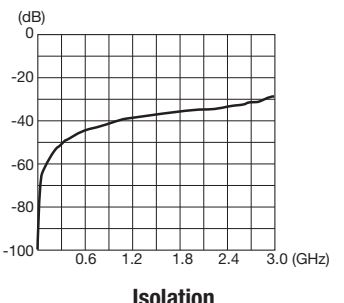
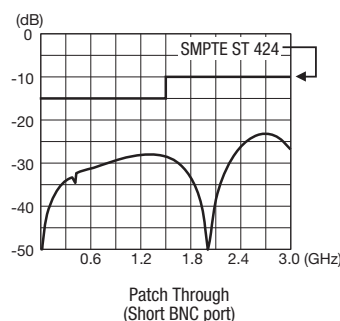
MVP-C4

Return Loss & Isolation

Model	MDVJ-STW	MDVJ-STs
BNC-BNC: Normal Through		—
BNC-Video: Patch Through	26 dB or greater @ 750 MHz 20 dB or greater @ 2.4 GHz 10 dB or greater @ 3 GHz	26 dB or greater @ 750 MHz 20 dB or greater @ 2.4 GHz 10 dB or greater @ 3 GHz
BNC-Self Termination		26 dB or greater @ 750 MHz 20 dB or greater @ 1.5 GHz 10 dB or greater @ 3 GHz
Isolation	35 dB or greater @ 1.5 GHz 20 dB or greater @ 3.0 GHz	35 dB or greater @ 1.5 GHz 20 dB or greater @ 3.0 GHz



Return loss for MDVJ-STW



Panels and Patchbays

75Ω Video Patchbays

75Ω Video Patchbays

3G-ready HD-SDI video patchbays featuring Canare's uniquely-developed rotary switches.

Patchbays

Model	Panel Size	Loaded Video Jacks
20DV	1 RU	20 x DVJB-W
20DVS	1 RU	20 x DVJB-S
20DV-2U	2 RU	20 x DVJB-W
20DVS-2U	2 RU	20 x DVJB-S
24DV	1 RU	24 x DVJB-W
24DVS	1 RU	24 x DVJB-S
24DV-2U	2 RU	24 x DVJB-W
24DVS-2U	2 RU	24 x DVJB-S
26DV	1 RU	26 x DVJB-W
26DVS	1 RU	26 x DVJB-S
26DV-2U	2 RU	26 x DVJB-W
26DVS-2U	2 RU	26 x DVJB-S

Color: black *9 custom colors available. See page 79.

Key Features and Benefits

- Rotary Switch Technology with dual-contact construction
- Can be recessed 25 mm.
- Wide designation strip (2 RU type).
- Lightweight aluminum alloy video jacks.

Dual Video Jacks

Model	Description	Rear Jacks
DVJB-W	Normal Through	BNC
DVJB-S	Straight Through	BNC

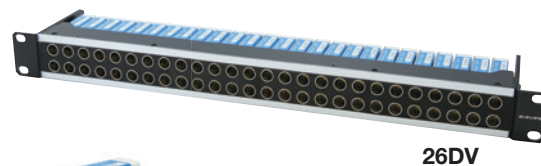
WECO Plugs

Model	Suitable Cable	Boot	Die Set
VWP-C25HW	L-2.5CHWS	CB04	TCD-D253F
VWP-C4A	LV-61S, RG-59B/U, Belden 8241, 8279, 88241	CB04	TCD-451CA TCD-4CA

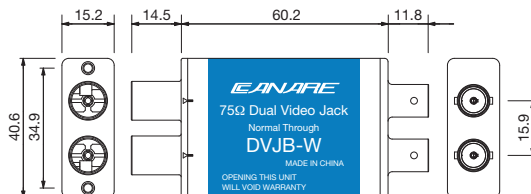
*Standard package: 20 pcs

Accessories

Model	Description
VPC**-WC	WECO patch cords (see page 91)
BCJ-VWP	BNC (female) to WECO plug conversion adapter
BET-12	BNC extraction tool (see page 47)
VJ-DC	Duct cap for DVJB (black, 40 pcs)
VJ2-V**-U-***	Unloaded panels (see page 80)



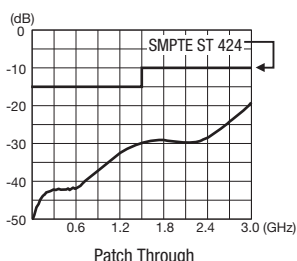
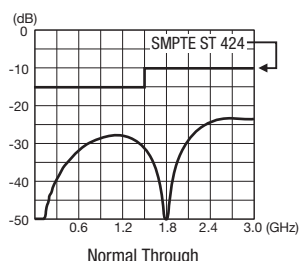
26DV



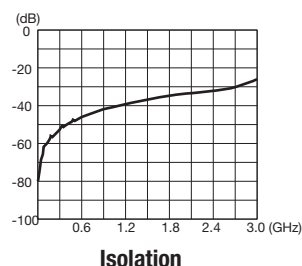
VWP-C4A

Return Loss & Isolation

Model	DVJB-W	DVJB-S
BNC-BNC: Normal Through		—
BNC-Video: Patch Through	26 dB or greater @ 750 MHz 20 dB or greater @ 2.4 GHz 10 dB or greater @ 3 GHz	26 dB or greater @ 750 MHz 20 dB or greater @ 2.4 GHz 10 dB or greater @ 3 GHz
BNC-Self Termination		26 dB or greater @ 750 MHz 20 dB or greater @ 1.5 GHz 10 dB or greater @ 3 GHz
Isolation	35 dB or greater @ 1.5 GHz 20 dB or greater @ 3.0 GHz	35 dB or greater @ 1.5 GHz 20 dB or greater @ 3.0 GHz



Return loss for DVJB-W



Isolation

Ordering Information

Standard Video Patchbays

26 DV S - 5 - 2U

Number of Video Jacks

20	20 pcs
24	24 pcs
26	26 pcs

Circuit Type

Blank	Normal Through
S	Straight Through

Rack Unit (height)

Blank	1 RU
2U	2 RU

Panel Color

Blank	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White

Mid-size Video Patchbays

32 MD - ST S - 1 - 2U

Circuit Type

Blank	Normal Through
S	Straight Through

Rack Unit (height) & Number of Video Jacks

Blank	1 RU, 32 Jacks
2U	2 RU, 32 Jacks
4U	4 RU, 96 Jacks

Panel Color

Blank	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White

Note:

- 1) 4 RU type is available in black color only
- 2) 4 RU type can not be recessed.

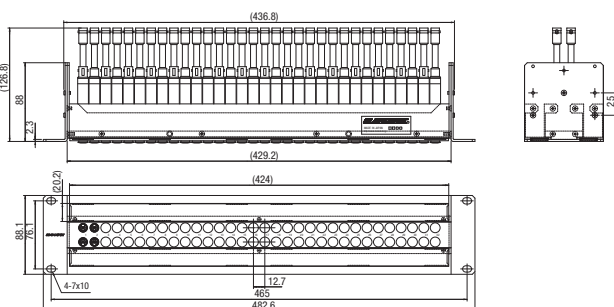
Designation Strip Dimensions

1 RU: 426 mm x 6.2 mm

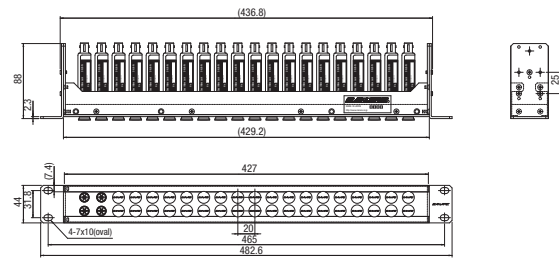
2 RU: 420 mm x 18.4 mm

4 RU: 431.8 mm x 13.2 mm

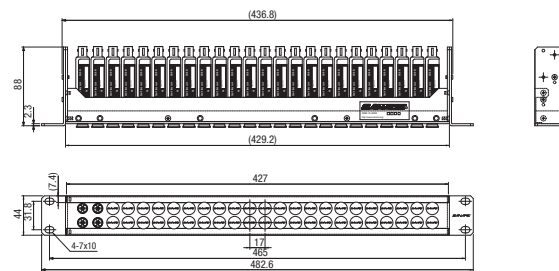
32MD-ST-2U



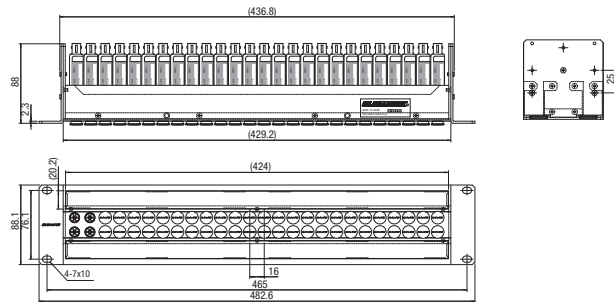
20DV (1RU)



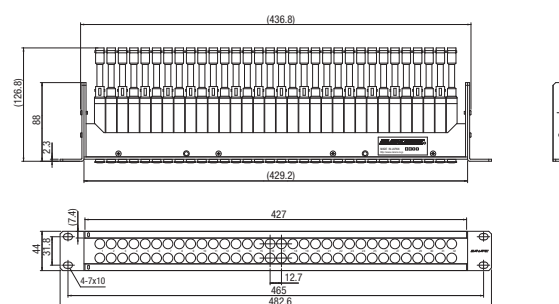
24DV (1RU)



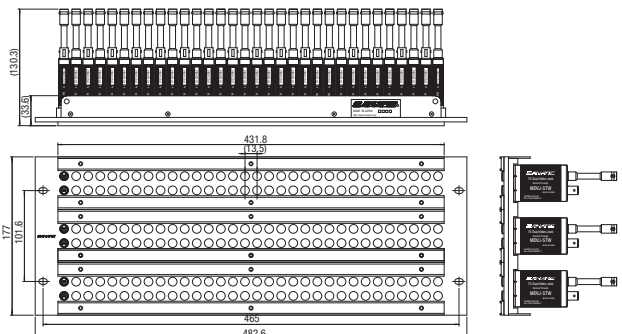
26DV-2U (2RU)



32MD-ST



32MD-ST-4U



Panels and Patchbays

Unloaded Video Jack Panels, RS422 Patchbays

Unloaded Video Jack Panels

Model	Panel Size	Description
VJ2-V20-1U-***	1 RU	20 ch (40 holes), for DVJB
VJ2-V20-2U-***	2 RU	20 ch (40 holes), for DVJB
VJ2-V24-1U-***	1 RU	24 ch (48 holes), for DVJB
VJ2-V24-2U-***	2 RU	24 ch (48 holes), for DVJB
VJ2-V26-1U-***	1 RU	26 ch (52 holes), for DVJB
VJ2-V26-2U-***	2 RU	26 ch (52 holes), for DVJB
MJ2-M32-1U-***	1 RU	32 ch (64 holes), for MDVJ and SVJK
MJ2-M32-2U-***	2 RU	32 ch (64 holes), for MDVJ and SVJK
VJ2-M32-4U	4 RU	96 ch (3 x 32 ch, 192 holes), for MDVJ, Black
MJ2-M32CK-1U-***	1 RU	32 ch (32 slots), for MCVJK

*** : Please refer to the ordering information on the right.

<Ordering Information>

Coding Ex.

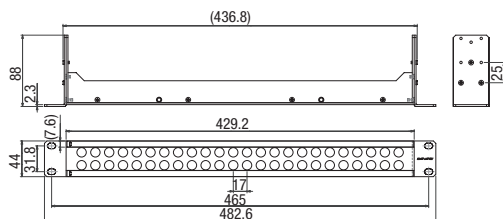
VJ2 - V20 - 2U - BLK

Panel Size

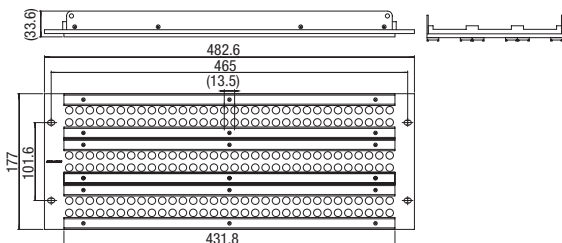
1U	1 RU
2U	2 RU

Color Codes

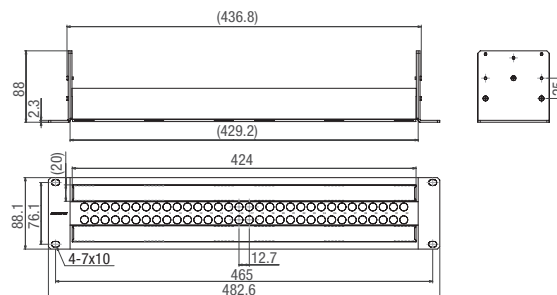
BLK	Black
BRN	Brown
RED	Red
ORG	Orange
YEL	Yellow
GRN	Green
BLU	Blue
PPL	Purple
GRY	Gray
WHT	White



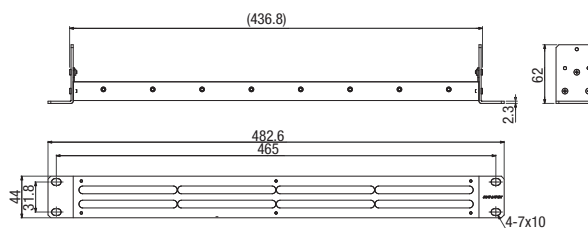
VJ2-V24-1U-BLK



VJ2-M32-4U



MJ2-M32-2U-BLK



MJ2-M32CK-1U-BLK

RS422 Patchbays

Model	Panel Size	Connectors	
		Front Panel	Rear Panel
RS-422-1U-16	1 RU	Bantam	D sub 9P(F)×16
RS-422-1U-24	1 RU	Bantam	D sub 9P(F)×24
RS-422-2U-32	2 RU	Bantam	D sub 9P(F)×32
RS-422-2U-48	2 RU	Bantam	D sub 9P(F)×48

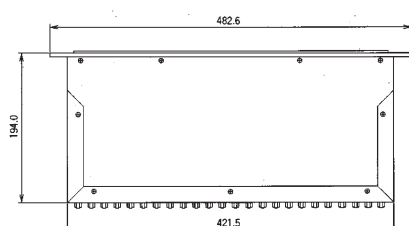
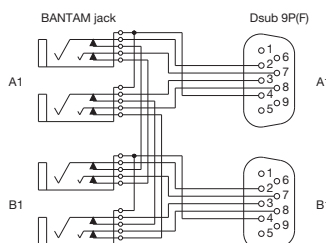
● The RS422 serial signal used for VTR remote applications can now be switched with Bantam patchbay ease.

● D sub screws are M2.6

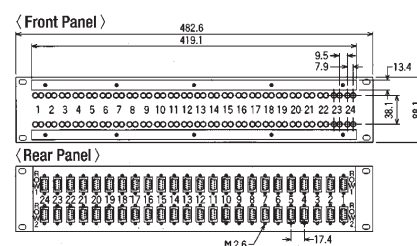
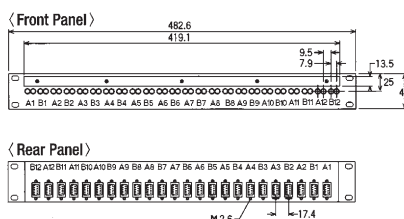
* Listed above items are other manufacturer's products.



RS-422-2U-48



RS-422-1U-24



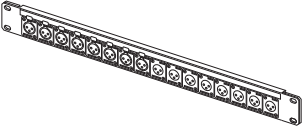
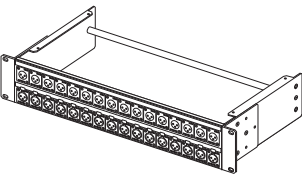
RS-422-2U-48

Pre-Loaded A/V Connector Panels

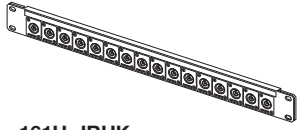
Key Features and Benefits

- Isolated BNC, RCA, F, XLR on same panel
- Clear plastic cover, full screen desi-strip
- Variety of panel options
- Most popular panel holes XLR F-77 and Neutrik D available

XLR Connector Panels

Type	Panel Size	Model	Loaded Connector	Panel P/N	Dimensions (mm)
 161U-X12F	1 RU	161U-X1F	XLR3-31F77 (16 pcs)	1U-AS1	44 x 482.6 x 39.7
		161U-X2F	XLR3-32F77 (16 pcs)		44 x 482.6 x 26.6
		161U-X12F	XLR3-31F77 (8 pcs, Left) XLR3-32F77 (8 pcs, Right)		44 x 482.6 x 39.7
		161U-B1	NC3FD-LX-B (16 pcs)	1U-AS1D	44 x 482.6 x 31.3
		161U-B2	NC3MD-LX-B (16 pcs)		44 x 482.6 x 23.6
 162U-X21	2 RU	162U-X21	XJ3M-P3FA (16 pcs, Upper Row)	2U-AS7	88.1 x 482.6 x 217
			XJ3F-P3MA (16 pcs, Lower Row)		
		162U-X22	XJ3M-P3FA (32 pcs, 2 rows)		

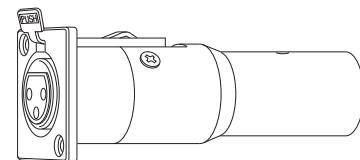
BNC Connector Panels

Type	Panel Size	Model	Loaded Connector	Panel P/N	Dimensions (mm)
 161U-JRUK	1 RU	161U-JRUK	BCJ-JRUK (16 pcs)	1U-AS1	44 x 482.6 x 31.4
		161U-JRUDB	BCJ-JRUDB (16 pcs)	1U-AS1D	44 x 482.6 x 29.1
	2 RU	162U-JRUK	BCJ-JRUK (32 pcs, 2 rows)	2U-AS7	88.1 x 482.6 x 217

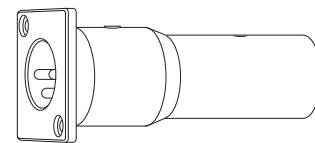
XLR3 Panel Mount Adapters

Model	Description		Flange Type
	Front	Rear	
XJ3M-P3FA	XLR 3pin (M)	XLR 3pin (F)	ITT XLR-F77
XJ3M-P3MA	XLR 3pin (M)	XLR 3pin (M)	
XJ3F-P3FA	XLR 3pin (F)	XLR 3pin (F)	
XJ3F-P3MA	XLR 3pin (F)	XLR 3pin (M)	

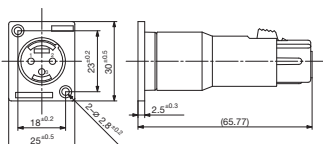
- XJ3 series are XLR3 full compatible.
- XLR jack to jack extremely reduce installation hours.



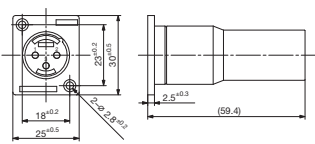
XJ3F-P3MA



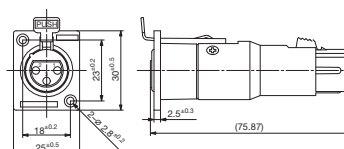
XJ3M-P3MA



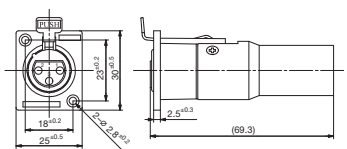
XJ3M-P3FA



XJ3M-P3MA



XJ3F-P3FA



XJ3F-P3MA

Blank Panels

Model	Description
BP-DXF (20 pcs)	Snap-on blank panels for both ITT XLR-F77/Neutrik D holes
BP-XF (10 pcs)	Blank panels for ITT XLR-F77 hole with screws
BP-D (10 pcs)	Blank panels for Neutrik D hole with screws

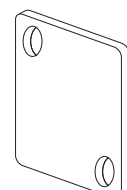
BP-DXF

- Easy and quick snap-on mounting without any tools
- Can be used for both ITT XLR-F77 and Neutrik D holes

Note: Panel thickness range: t 1.2 to t 2.3 mm



BP-DXF

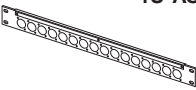
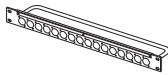
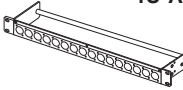
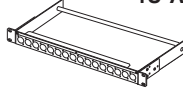
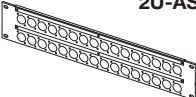
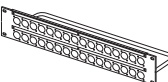
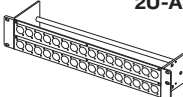
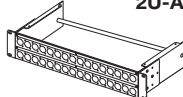
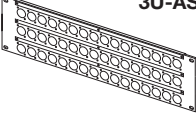
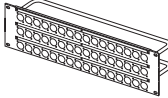
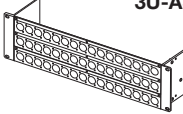
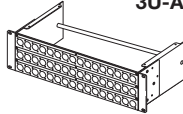


BP-XF

Panels and Patchbays

Connector Panels

Unloaded A/V Connector Panels

Panel Type	AS1 (D)	AS3 (D)	AS5 (D)	AS7 (D)
Description	Flat panel	Flat panel w/cable tie bar	Variable panel w/cable tie bar short type	Variable panel w/cable tie bar Long type
1 RU 16 holes x 1 row	 1U-AS1 (D)	 1U-AS3 (D)	 1U-AS5 (D)	 1U-AS7 (D)
Depth (mm)	—	64.8	100	217
2 RU 16 holes x 2 rows	 2U-AS1 (D)	 2U-AS3 (D)	 2U-AS5 (D)	 2U-AS7 (D)
Depth (mm)	—	64.8	100	217
3 RU 16 holes x 3 rows	 3U-AS1 (D)	 3U-AS3 (D)	 3U-AS5 (D)	 3U-AS7 (D)
Depth (mm)	—	64.8	100	217

Variable panel can be recessed 25 mm.

Ordering Information

Panel Height, Number of holes and Rows

1U	1 RU, 16 holes, 1row
2U	2 RU, 32 holes, 2rows
3U	3 RU, 48 holes, 3rows

1U - AS3 D

Hole Type

Blank	ITT XLR-F77 Type
D	Neutrik D Type

Panel Type

AS1	Flat panel
AS3	Flat panel w/cable tie bar
AS5	Variable panel w/ cable tie bar - short depth
AS7	Variable panel w/ cable tie bar - long depth

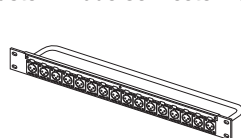
NOTE:

- Depending on their length, some connectors can not be mounted on the panel with a cable tie bar installed.

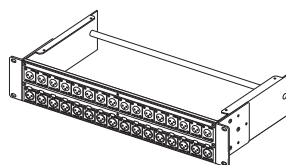
Related Products

Model	Description
M-MA1U02	1 RU mounting brackets for a Variable panel, 2 pcs. (left and right)
M-MA2U02	2 RU mounting brackets for a Variable panel, 2 pcs. (left and right)
M-MA3U02	3 RU mounting brackets for a Variable panel, 2 pcs. (left and right)
DS10-AS4	Designation strip for Canare A/V connector panels, 2 pcs.

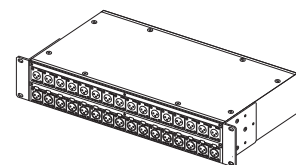
Examples of Custom-Made Connector Panels



1U-AS3 + XLR3-31F77 × 16



**2U-AS7 + XLR3-32F77 × 16
XLR3-31F77 × 16**



2U-AS7 (box type)
Connectors can be mounted on the both side.

Connectors

Canare Flush-mount BNC, F, RCA and XLR (ITT XLR-F77 or Neutrik D type) are available.

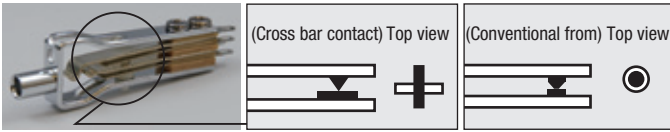
Options

- A) Rear Panel A connector panel can be mounted on the rear.
- B) Box Type A connector panel, top plate and bottom plate can be mounted on the rear.
- C) Recessed Variable panel can be recessed 25 mm by changing the screw positions of the mounting brackets and can be recessed either 50 mm or 75 mm by changing the mounting brackets to M-MA*U02.

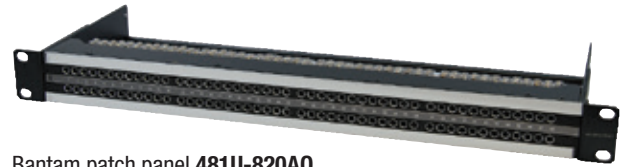
Options	AS1 (D)	AS3 (D)	AS5 (D)	AS7 (D)
A) Rear Panel	N/A	N/A	Available	Available
B) Box Type	N/A	N/A	N/A	Available
C) Recessed	N/A	N/A	Available	Available

Audio Patchbays

The gold alloy cross bar contact, which features a low faulty contact rate, is used for the jacks.



- 481U patchbay can be recessed 25 mm by changing the screw positions on the mounting brackets.



Bantam patch panel 481U-820AQ



Bantam patch panel 48-12A/820AQ/EIA

Model	Description	Connector
481U-820AQ	Bantam Patchbay	820AQ×96

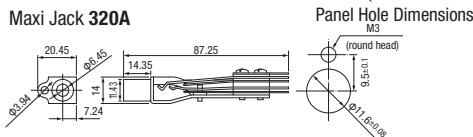
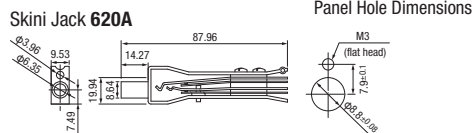
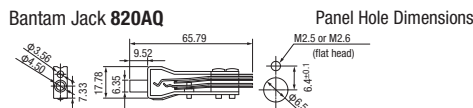
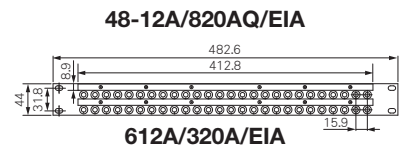
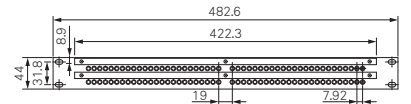
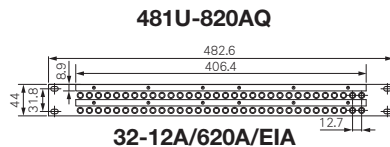
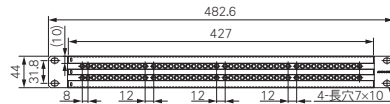
Model	Description	Connector
48-12A/820AQ/EIA	Bantam Patchbay	820AQ×96
32-12A/620A/EIA	Skini Patchbay	620A×64
612A/320A/EIA	Maxi Patchbay	320A×52

* Listed above items are other manufacturer's products.

Audio Patchbays Related Products

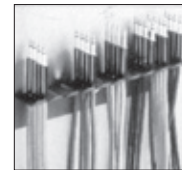
Model	Description
320A	Maxi Jack
620A	Skini Jack
820AQ	Bantam Jack
ABJ-DC	Bantam Jack Dust Cap (100 pcs/pkg)
NP3TMC-B	Maxi/Skini Plug
PH50-A	Maxi/Skini/Video Patch Cord Holder
PH50-B	Bantam Patch Cord Holder
DS10-AS1	Designation Strip for Bantam (2 pcs.)
DS10-AS2	Designation Strip for Skini (2 pcs.)
DS10-AS3	Designation Strip for Maxi (2 pcs.)

* Listed above items are other manufacturer's products.



BC * M
(See page 91 for patch cords.)

Patch Cord Holder



Capable up to 50 patch cords.
Easy to install on the wall or side of rack.
PH50-A
for Maxi/Skini, Video cords.
PH50-B
for Bantam cords.

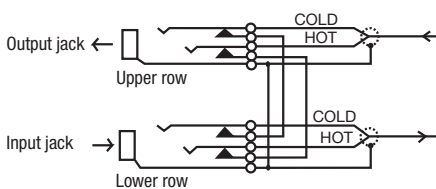
Technical Note

Audio Patchbay Normalling Descriptions

Output from a device is obtained from the upper row, while input to a device is normally connected to the lower row. Users can select from the following three types of connecting functions.

<Wiring formats connecting upper and lower connectors>

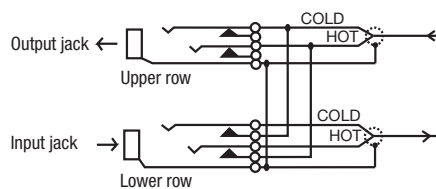
F: Full normal connection



Full Normal Format (series)

The upper (output) row is connected to the lower row (input) in the state when a plug is not inserted.
When a plug is inserted in the upper jack to obtain a signal, the signal is not connected to the lower jack. A signal can be entered by inserting a plug in the lower jack. In this case the signal is not connected to the upper jack.

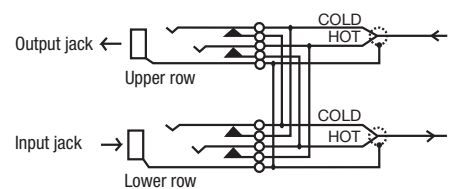
H: Half normal connection



Half Normal Format (half-parallel)

The upper (output) row is connected to the lower row (input) in the state when a plug is not inserted.
When a plug is inserted in the upper jack to obtain a signal, the signal is connected to the lower jack. This format allows the signal to be obtained in parallel. The signal can be prevented from going to the lower jack by inserting a dummy plug.
Signals are input by inserting a plug in the lower jack. In this case the signal is not connected to the upper jack.

W: Double normal connection



Double Normal Format (series-parallel)

The upper (output) row is connected to the lower row (input) in the state when a plug is not inserted.
When a plug is inserted in the upper jack to obtain a signal, the signal is connected to the lower jack. This format allows the signal to be obtained in parallel. The signal can be prevented from going to the lower jack by inserting a dummy plug.
A signal can be entered by inserting another plug in the lower jack. Note that the signal in this case is connected to the upper jack.
This can be prevented by inserting a dummy plug.

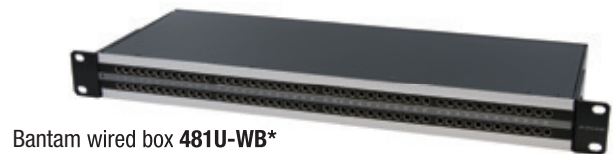
Wired Box

Type	Model	Size	Connector	
			Front	Rear
Bantam	481U-WBF	1 RU	820AQ × 96	90-602 × 4
	481U-WBH	1 RU	820AQ × 96	90-602 × 4
	481U-WBW	1 RU	820AQ × 96	90-602 × 4
	481U-WBS	1 RU	820AQ × 96	90-602 × 4
	48WB-F	1 RU	820AQ × 96	90-602 × 4
	48WB-H	1 RU	820AQ × 96	90-602 × 4
	48WB-W	1 RU	820AQ × 96	90-602 × 4
Skini	32WB-F	1 RU	620A × 64	90-602 × 4
	32WB-H	1 RU	620A × 64	90-602 × 4
	32WB-W	1 RU	620A × 64	90-602 × 4
Maxi	26WB-F	1 RU	320A × 52	90-602 × 4
	26WB-H	1 RU	320A × 52	90-602 × 4
	26WB-W	1 RU	320A × 52	90-602 × 4

481U-WB can be recessed 25 mm

*90-602 connector is identical to ELCO 00-8016-090-***-702V connector

90-602



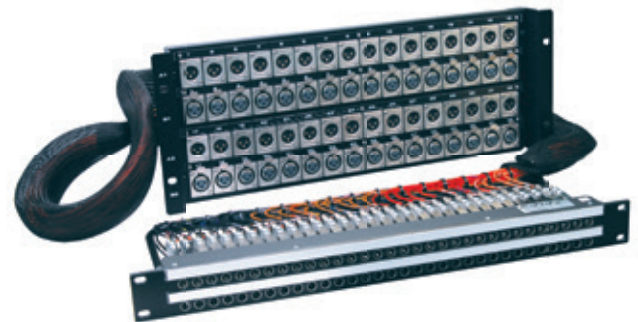
Bantam wired box 481U-WB*



Bantam wired box 48WB-*



Maxi wired box 26WB-*



Skini wired panel 32XP-*

Normalizing Options

- 481U-WB* — F: Full normal
- 48WB-* — H: Half normal
- 48XP-* — W: Double normal
- S: Single (No normal)



TC**B

(See page 91 for patch cords)

Wired Panels

Type	Model	Panel 1		Panel 2	
		Size	Connector	Size	Connector
Bantam	48XP-F	1 RU	820AQ × 96	3 RU × 2	XLR3-31F77 × 48 XLR3-32F77 × 48
	48XP-H	1 RU	820AQ × 96	3 RU × 2	XLR3-31F77 × 48 XLR3-32F77 × 48
	48XP-W	1 RU	820AQ × 96	3 RU × 2	XLR3-31F77 × 48 XLR3-32F77 × 48
Skini	32XP-F	1 RU	620A × 64	4 RU	XLR3-31F77 × 32 XLR3-32F77 × 32
	32XP-H	1 RU	620A × 64	4 RU	XLR3-31F77 × 32 XLR3-32F77 × 32
	32XP-W	1 RU	620A × 64	4 RU	XLR3-31F77 × 32 XLR3-32F77 × 32

*Cables are 2 meters in length.

90-602 Connector Format (Wired box)

<Rear panel>

4	3	2	1
---	---	---	---

Bantam	Lower row 25~48 ch	Upper row 25~48 ch	Lower row 1~24 ch	Upper row 1~24 ch
Skini	Lower row 17~32 ch	Upper row 17~32 ch	Lower row 1~16 ch	Upper row 1~16 ch
Maxi	Lower row 14~26 ch	Upper row 14~26 ch	Lower row 1~13 ch	Upper row 1~13 ch

90-602 connector is mated with 90-608 connector.

90-608 requires either 125 or 525 contact and 90-T cover for assembling.

<Wired box side>

90-602

(00-8016-090-000-702V)

<Cable side>

90-608 (00-8016-090-000-708V)

Contact — 125 : Solder type (60-8016-0513-00-339)
 — 525 : Crimp type (60-8016-0313-00-339)
 Cover — 90-T : Top entrance (30-8016-090-T)

*The numbers in parentheses are ELCO ordering codes.

** Contact extraction tool: 06-1877-04.

Crimping pliers for 525: 06-1001-015 (AWG #18), 06-1001-016 (AWG #20-#22), 06-1001-017 (AWG #24-#26).

Wiring Table for 90-602

	Maxi		Skini		Bantam		HOT	COLD	SHIELD
Channel no.	1	14	1	17	1	25	A	H	R
	2	15	2	18	2	26	B	J	S
	3	16	3	19	3	27	C	K	T
	4	17	4	20	4	28	D	L	U
	5	18	5	21	5	29	E	M	V
	6	19	6	22	6	30	F	N	W
	7	20	7	23	7	31	X	AE	AM
	8	21	8	24	8	32	Y	AF	AN
	9	22	9	25	9	33	Z	AH	AP
	10	23	10	26	10	34	AA	AJ	AR
	11	24	11	27	11	35	AB	AK	AS
	12	25	12	28	12	36	AC	AL	AT
	13	26	13	29	13	37	BJ	BS	BY
			14	30	14	38	BK	BT	BZ
			15	31	15	39	BL	BU	CA
			16	32	16	40	BM	BV	CB
					17	41	BN	BW	CC
					18	42	BP	BX	CD
					19	43	CF	CN	CW
					20	44	CH	CP	CX
					21	45	CJ	CR	CY
					22	46	CK	CS	CZ
					23	47	CL	CT	DA
					24	48	CM	CU	DB