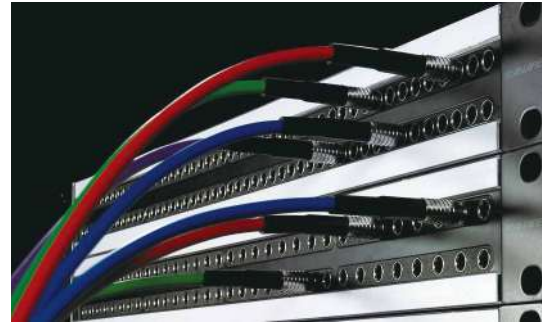


# Panels and Patchbays
















## 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



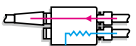
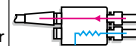


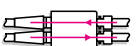
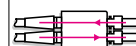
Page	68	69	70	71	72
Applications	4K/8K 12G-SDI 6G-SDI	4K/8K 12G-SDI 6G-SDI	2K/4K 3G-SDI HD-SDI	2K/4K 3G-SDI HD-SDI	2K/4K 3G-SDI HD-SDI
Patchbays					
	32MCKA-ST*	32SVK-ST	48MC*	32MD-ST*	2xDV*
Channels	32	32	48	32	20, 24, 26
Rack Unit	1RU, 1.5RU, 2RU	1RU, 1.5RU	1RU	1RU, 2RU, 4RU	1RU, 2RU
Jacks					
	MCVJKA-STW/S	SVJK-S/L	MCVJ-W/S	MDVJ-STW/S	DVJB-W/S
Self Terminating	Yes	No	Yes	Yes	Yes
Front	Canare Micro	Canare Single	Canare Micro	Mini-WECO	WECO
Rear	BNC	BNC	DIN 1.0/2.3	BNC	BNC
NET Weight (approx.)	1RU : 2.8 kg 1.5RU : 3.5 kg 2RU : 3.7 kg	1RU : 1.7 kg 1.5RU : 2.4 kg	2.3 kg	1RU : 2.9 kg 2RU : 3.9 kg 4RU : 8.0 kg	20DV : 2.4 kg (1RU) 24DV : 2.7 kg (1RU) 26DV : 2.8 kg (1RU)
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**

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

## Technical Note

### Dual Video Jack Normalling 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)				S type (Straight Through)			
<b>Video Port:</b> No Patch		<b>BNC Port:</b> Signal thru as Arrowed	Signal routes between top and bottom BNC without the use of Video plugs.	<b>Video Port:</b> No Patch		<b>BNC Port:</b> Both Signal Terminated	Two independent single jacks in a dual housing.
<b>Video Port:</b> Patch Upper		<b>BNC Port:</b> Lower Terminated	Inserting a Video Patch Cord into front "upper" port automatically terminates signal path into the lower 75Ω load.	<b>Video Port:</b> Patch Upper		<b>BNC Port:</b> Lower Terminated	Inserting a Video Patch Cord into front "upper" port automatically terminates signal path into the lower 75Ω load.
<b>Video Port:</b> Patch Lower		<b>BNC Port:</b> Upper Terminated	Inserting a Video Patch Cord into front "lower" port automatically terminates signal path into the upper 75Ω load.	<b>Video Port:</b> Patch Lower		<b>BNC Port:</b> Upper Terminated	Inserting a Video Patch Cord into front "lower" port automatically terminates signal path into the upper 75Ω load.
<b>Video Port:</b> Patch Both		<b>BNC Port:</b> Signal thru as Arrowed	Inserting Video Patch Cords into both front ports inputs and/or outputs signal.	<b>Video Port:</b> Patch Both		<b>BNC Port:</b> Signal thru as Arrowed	Inserting Video Patch Cords into both front ports inputs and/or outputs signal.

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
<b>32MCKA-ST</b> <span style="border: 1px solid red; padding: 1px;">New</span>	1RU	32 × MCVJKA-STW
<b>32MCKA-STs</b> <span style="border: 1px solid red; padding: 1px;">New</span>	1RU	32 × MCVJKA-STs
<b>32MCKA-ST-1.5U</b> <span style="border: 1px solid red; padding: 1px;">New</span>	1.5RU	32 × MCVJKA-STW
<b>32MCKA-STs-1.5U</b> <span style="border: 1px solid red; padding: 1px;">New</span>	1.5RU	32 × MCVJKA-STs
<b>32MCKA-ST-2U</b> <span style="border: 1px solid red; padding: 1px;">New</span>	2RU	32 × MCVJKA-STW
<b>32MCKA-STs-2U</b> <span style="border: 1px solid red; padding: 1px;">New</span>	2RU	32 × MCVJKA-STs

Standard panel color: Black. Available in 5 colors. see page 73.

Key Features and Benefits

- 12G-SDI: SMPTE ST 2082-1 fully compliant
- Refined the entire performance for 12G applications
- Lightweight video jacks with simple structure
- Dust-proof shutter
- New 1.5RU and 2RU panels: Finger removal and wider designation strip

Website



Note: Be sure to use with Canare Micro Video Patch Cords.

■ Dual Video Jacks

Model	Description	Rear Jacks
<b>MCVJKA-STW</b> <span style="border: 1px solid red; padding: 1px;">New</span>	Normal through, Staggered rear jacks	BNC
<b>MCVJKA-STs</b> <span style="border: 1px solid red; padding: 1px;">New</span>	Straight through, Staggered rear jacks	BNC

Website



■ Micro Video Plug

Model	Suitable Cable	Boot	Die Set
<b>MCVP-C25HW</b>	L-2.5CHWS	—	TCD-D253F

\*Standard package: 20 pcs

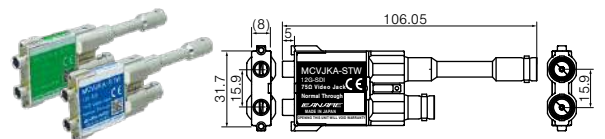
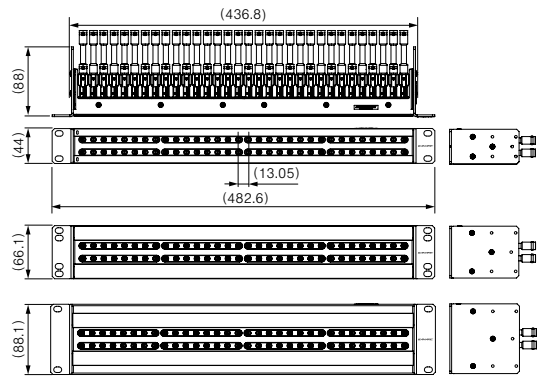
\*The plug is specifically designed for MCVJ and MCVJKA jacks.

Website



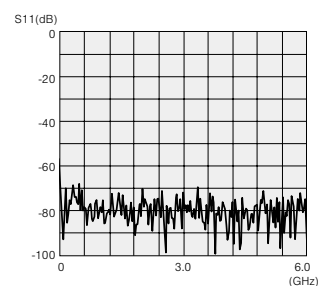
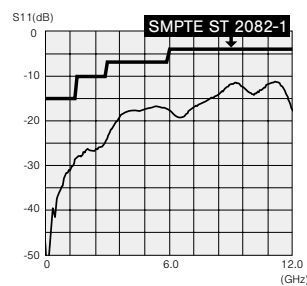
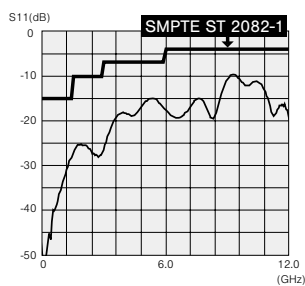
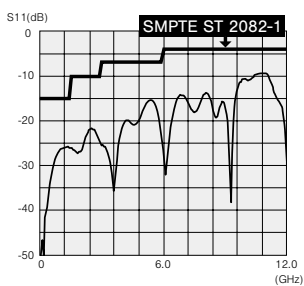
■ Accessories

Model	Description
<b>MCVPC**</b>	Canare Micro patch cords (see page 77)
<b>BCJ-MCVP</b> <span style="border: 1px solid red; padding: 1px;">New</span>	BNC (female) to Micro Video plug conversion adapter (10 pcs)
<b>BET-BNC</b> <span style="border: 1px solid red; padding: 1px;">New</span>	BNC extraction tool (see page 39)
<b>PH50B</b>	Patch cord holder for MCVPC**
<b>MCVJ-DC</b>	Dust cap for MCVJKA (black, 100 pcs)
<b>MJ2-M32CKA-U***</b> <span style="border: 1px solid red; padding: 1px;">New</span>	Unloaded panels (see page 75)



■ Return Loss & Isolation

Model	MCVJKA-STW	MCVJKA-STs
	BNC-BNC: Normal Through BNC-Video: Patch Through 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	45 dB or greater @ 6 GHz



Return Loss for MCVJKA-STW

IP Connectivity Products

Technical Trend

Fiber-Optic Systems

Connectors

Cables

Panels & Patchbays

Multichannel Systems

Cable Assemblies

# Panels and Patchbays

## 75Ω Video Patchbays

### 75Ω Single Video Patchbay

The true 12G-SDI video patching system: Canare exclusive 12G capable single jacks, convenient looping plug, flexible patch cords, and 75Ω termination video plug. This MUSA style solution exceeds 4K/8K UHD requirements. 1RU, 1.5RU, or 2RU panel options available.

#### ■ Patchbay **12G-SDI**

Model	Panel Size	Loaded Video Jacks
<b>32SVK-ST</b>	1RU	32 × SVJK-L 32 × SVJK-S
<b>32SVK-ST-1.5U</b>	1.5RU	32 × SVJK-L 32 × SVJK-S

**New**

Standard panel color: Black. Available in 9 colors. see page 73.

#### Key Features and Benefits

- 12G-SDI: SMPTE ST 2082-1 compliant
- Return loss performance: 15dB@12GHz
- 40% lighter than 32MCKA-ST/32MD-ST
- 32 channels of I/O into 1RU or 1.5RU
- Canare original hassle-free patching design
- Staggered BNC rear jacks
- Can be recessed 25 mm
- Included a sheet of channel designator for easy identification

Website



**Note:** Be sure to use with Canare Single Video Patch Cords.

#### ■ Single Video Jacks

Model	Description	Rear Jack
<b>SVJK-L</b>	Long type	BNC
<b>SVJK-S</b>	Short type	BNC

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

Website



#### ■ Single Video Plug

Model	Suitable Cable	Boot	Die Set
<b>SVP-C25HW</b>	L-2.5CHWS	CB02	TCD-D253F

\*Standard package: 20 pcs

Website



#### ■ U-link and Termination Plugs

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

Website

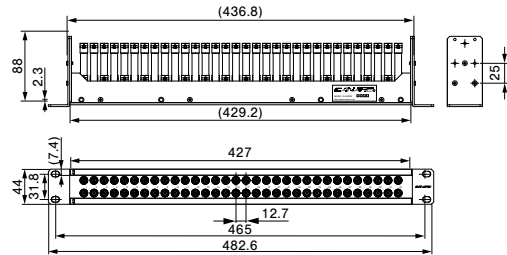
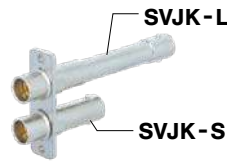


#### ■ Accessories

Model	Description
<b>SVPC**</b>	Canare SV patch cords (see page 77)
<b>BET-BNC</b>	BNC extraction tool (see page 39)
<b>PH50A</b>	Patch cord holder for SVPC**
<b>SVJK-DC</b>	Dust cap for SVJK (black, 10 pcs)
<b>MJ2-M32-U-***</b>	Unloaded panels (see page 75)

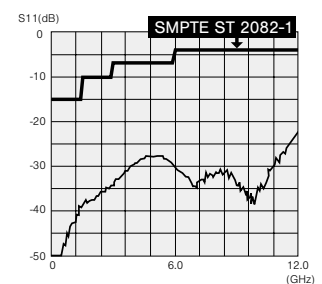
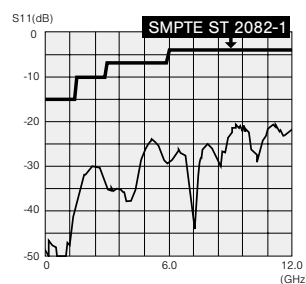
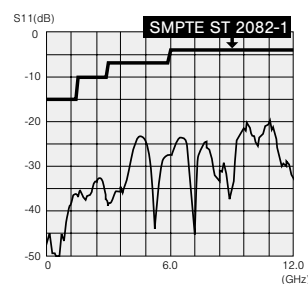
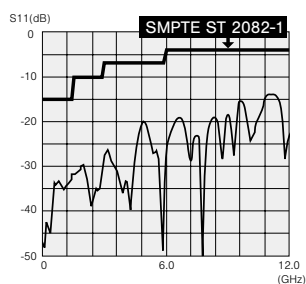
**New**

**New**



#### ■ 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	15 dB or greater
@ 12 GHz	15 dB or greater	10 dB or greater	10 dB or greater



75Ω Micro Video Patchbays

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

Patchbays

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

Standard panel color: Black. Available in 5 colors. Contact for more details.

Website



Key Features and Benefits

- High density 48 channels of I/O into 1RU 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 Patch Cords.

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

Website



Micro Video Plug

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

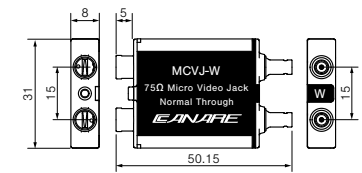
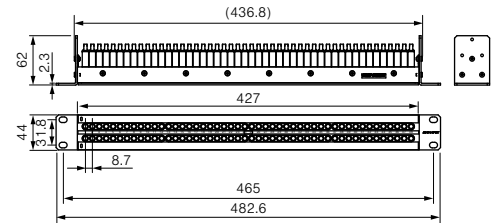
\*Standard package: 20 pcs

\*The plug is specifically designed for MCVJ and MCVKA jacks.

Website



48MC



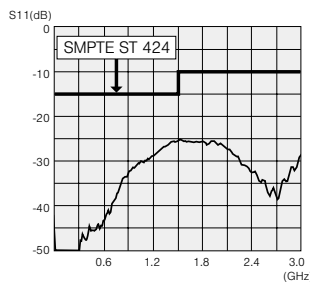
MCVP-C25HW



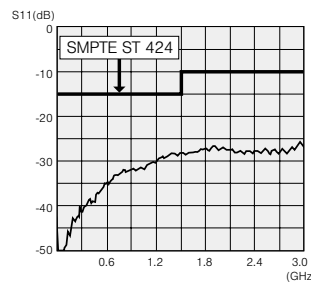
BCJ-MCVP

Return Loss & Isolation

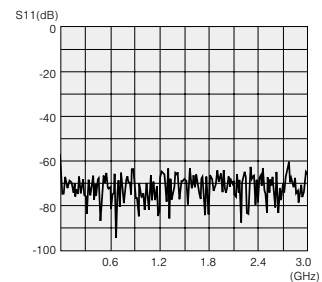
Model		MCVJ-W	MCVJ-S
RL	DIN-DIN: Normal Through	20 dB or greater @ 3 GHz	—
	DIN-Video: Patch Through	20 dB or greater @ 3 GHz	20 dB or greater @ 3 GHz
	DIN-Self Termination	10 dB or greater @ 3 GHz	20 dB or greater @ 3 GHz
Isolation		45 dB or greater @ 3 GHz	45 dB or greater @ 3 GHz



Normal Through



Patch Through



Isolation

Return Loss for MCVJ-W

IP Connectivity Products

Technical Trend

Fiber-Optic Systems

Connectors

Cables

Panels & Patchbays

Multichannel Systems

Cable Assemblies

# Panels and Patchbays

## 75Ω Video Patchbays

### 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
<b>32MD-ST</b>	1RU	32 × MDVJ-STW
<b>32MD-ST-S</b>	1RU	32 × MDVJ-ST-S
<b>32MD-ST-2U</b>	2RU	32 × MDVJ-STW
<b>32MD-ST-S-2U</b>	2RU	32 × MDVJ-ST-S
<b>32MD-ST-4U</b>	4RU	96 × MDVJ-STW
<b>32MD-ST-S-4U</b>	4RU	96 × MDVJ-ST-S

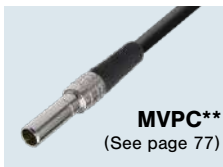
Standard panel color: Black. Available in 9 colors. see page 73.

#### Key Features and Benefits

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

**Note:** Be sure to use with Mini-WECO Video Patch Cords.

Website



#### ■ Dual Video Jacks

Model	Description	Rear Jacks
<b>MDVJ-STW</b>	Normal through, Staggered rear jacks	BNC
<b>MDVJ-ST-S</b>	Straight through, Staggered rear jacks	BNC

Website



#### ■ Mini-WECO Video Plugs

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

\*Standard package: 20 pcs

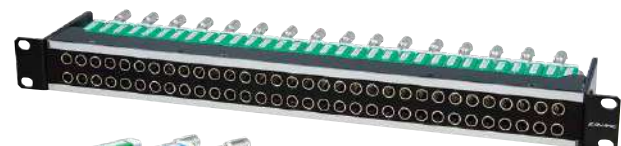
Website



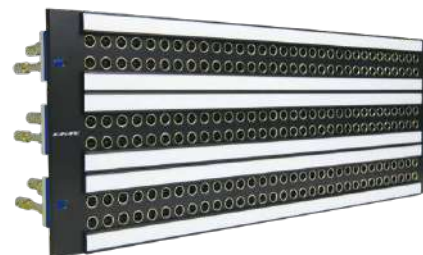
#### ■ Accessories

Model	Description
<b>MVPC**</b>	Mini WECO patch cords (see page 77)
<b>MVPC**-HW</b>	Mini WECO patch cords (see page 77)
<b>BCJ-MVP</b>	BNC (female) to Mini-WECO plug conversion adapter (10 pcs)
<b>BET-BNC</b>	BNC extraction tool (see page 39)
<b>PH50A</b>	Patch cord holder for MVPC**
<b>MVJ-DC</b>	Dust cap for MDVJ (color: black 40 pcs)
<b>MJ2-M32-U-***</b>	Unloaded panels (see page 75)
<b>VJ2-M32-4U</b>	

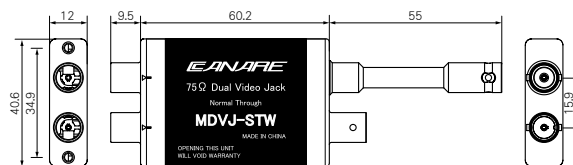
\*BCJ-MVP is recommended to use with Slim BNC plug (see page 20).



**32MD-ST-S**



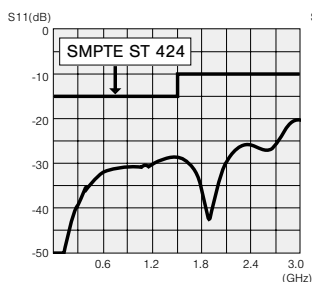
**32MD-ST-4U**



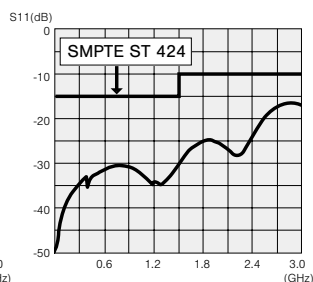
**MVP-C4**

#### ■ Return Loss & Isolation

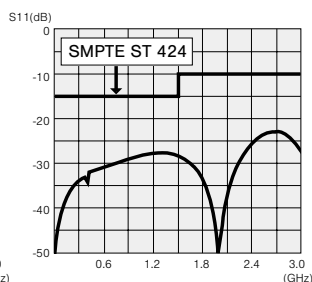
Model	MDVJ-STW	MDVJ-ST-S
BNC-BNC: Normal Through		—
RL	BNC-Video: Patch Through	26 dB or greater @ 750 MHz 20 dB or greater @ 2.4 GHz 10 dB or greater @ 3 GHz
	BNC-Self Termination	26 dB or greater @ 750 MHz 20 dB or greater @ 1.5 GHz 10 dB or greater @ 3 GHz
	Isolation	35 dB or greater @ 1.5 GHz 20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



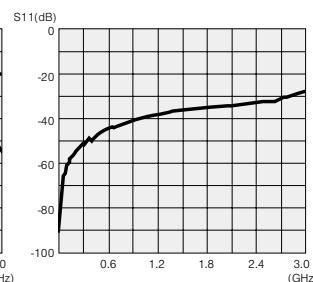
Normal Through



Patch Through  
(Long BNC port)



Patch Through  
(Short BNC port)



Isolation

Return loss for MDVJ-STW

75Ω Video Patchbays

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

Patchbays

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

Standard panel color: Black. Available in 9 colors. see page 74.

Key Features and Benefits

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

Note: Be sure to use with WECO Video Patch Cords.

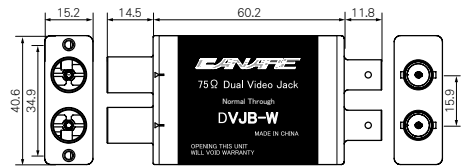
Website



Dual Video Jacks

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

Website



26DV

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

Website



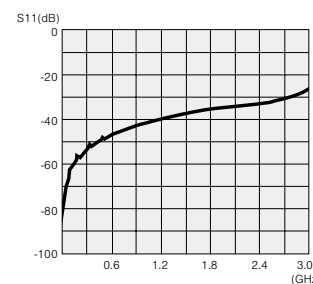
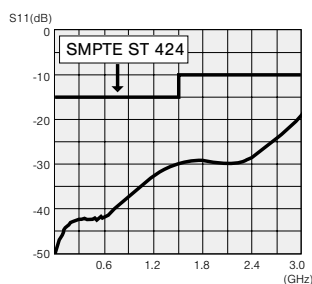
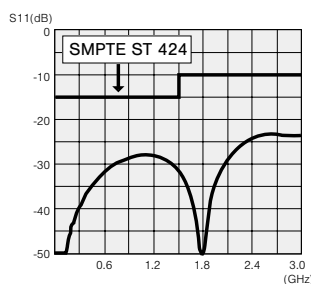
WWP-C4A

Accessories

Model	Description
VPC**-WC	WECO patch cords (see page 77)
VPC**-HW-WC	
BCJ-VWP	BNC (female) to WECO plug conversion adapter
BET-BNC <span style="color: red;">New</span>	BNC extraction tool (see page 39)
PH50A	Patch cord holder for VPC**
VJ-DC	Duct cap for DVJB (black, 40 pcs)
VJ2-V**-*U-***	Unloaded panels (see page 75)

Return Loss & Isolation

Model	DVJB-W	DVJB-S	
RL	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	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

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# Panels and Patchbays

## 75Ω Video Patchbays

### Ordering Information

#### 32 Channels 12G/3G Video Patchbays

32 **MCKA** - ST **S** - 2 - 2U

Jack Type

<b>MCKA</b>	12G Dual
-------------	----------

Signal Path

<b>Blank</b>	Normal Through
<b>S</b>	Straight Through

Panel Color

<b>Blank</b>	<b>Black</b>
<b>2</b>	<b>Red</b>
<b>4</b>	<b>Yellow</b>
<b>5</b>	<b>Green</b>
<b>6</b>	<b>Blue</b>
<b>7</b>	<b>Purple</b>

Rack Unit

<b>Blank</b>	1RU
<b>1.5U</b>	1.5RU
<b>2U</b>	2RU

32 **MD** - ST **S** - 8 - 2U

Jack Type

<b>SVK</b>	12G Single
<b>MD</b>	3G Dual

Signal Path

<b>Blank</b>	Normal Through
<b>S</b>	Straight Through

Panel Color

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

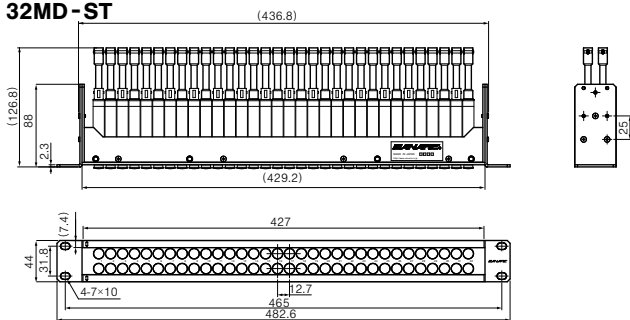
Rack Unit

<b>Blank</b>	1RU
<b>1.5U</b>	1.5RU *
<b>2U</b>	2RU **
<b>4U</b>	4RU **

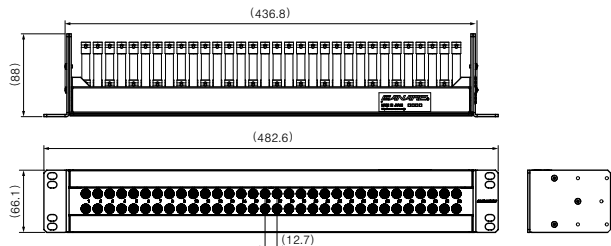
\* 1.5RU and 2RU are available for SVK and MD.  
\*\* for 4RU, MD only.

\* MD only.  
\* for 4RU, black only.

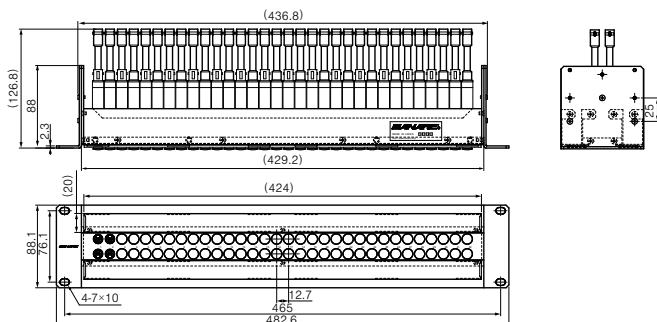
32MD-ST



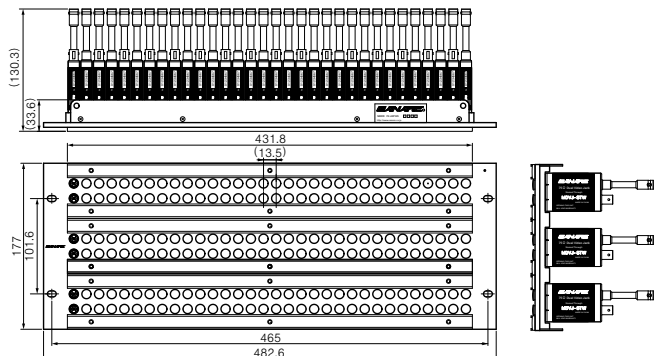
32SVK-ST-1.5U



32MD-ST-2U



32MD-ST-4U



Ordering Information

WECO Video Patchbays

**24 DV S - 8 - 2U**

Number of Channels

20	20 Channels
24	24 Channels
26	26 Channels

Signal Path

Blank	Normal Through
S	Straight Through

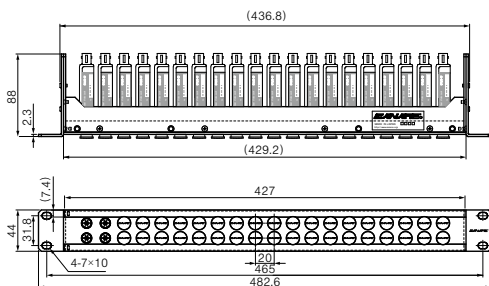
Panel Color

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

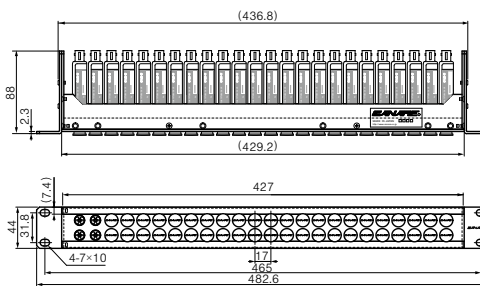
Rack Unit

Blank	1RU
2U	2RU

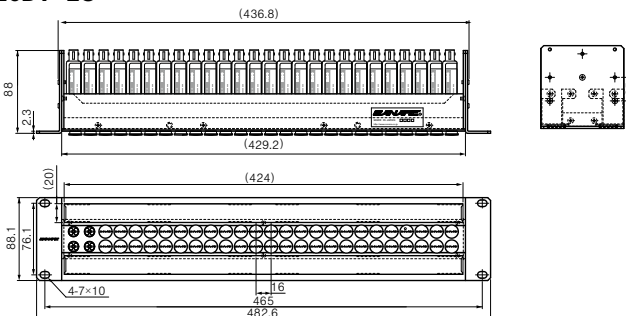
20DV



24DV



26DV-2U



Designation Strip Dimensions

- 1RU : 426 mm × 6.2 mm\*
  - 1.5RU : 426.5 mm × 16.7 mm
  - 2RU : 420 mm × 18.4mm\*\*
  - 4RU : 431.8 mm × 13.2 mm
- \* 32MCKA-ST\*- 426mm × 8.5mm  
 \*\* 32MCKA-ST\*-2U 426.5mm × 16.7mm

Note:

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

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# Panels and Patchbays

## Unloaded Video Jack Panels

### Unloaded Video Jack Panels

Website



Model	Panel Size	Description
VJ2-V20-1U-***	1RU	20 ch (40 holes), for DVJB
VJ2-V20-2U-***	2RU	20 ch (40 holes), for DVJB
VJ2-V24-1U-***	1RU	24 ch (48 holes), for DVJB
VJ2-V24-2U-***	2RU	24 ch (48 holes), for DVJB
VJ2-V26-1U-***	1RU	26 ch (52 holes), for DVJB
VJ2-V26-2U-***	2RU	26 ch (52 holes), for DVJB
MJ2-M32-1U-***	1RU	32 ch (64 holes), for MDVJ and SVJK
MJ2-M32-1.5U-*** <b>New</b>	1.5RU	32 ch (64 holes), for MDVJ and SVJK
MJ2-M32-2U-***	2RU	32 ch (64 holes), for MDVJ and SVJK
VJ2-M32-4U	4RU	96 ch (3 × 32 ch, 192 holes), for MDVJ, Black
MJ2-M32CKA-1U-*** <b>New</b>	1RU	32 ch (32 slots), for MCVJKA
MJ2-M32CKA-1.5U-*** <b>New</b>	1.5RU	32 ch (32 slots), for MCVJKA
MJ2-M32CKA-2U-*** <b>New</b>	2RU	32 ch (32 slots), for MCVJKA

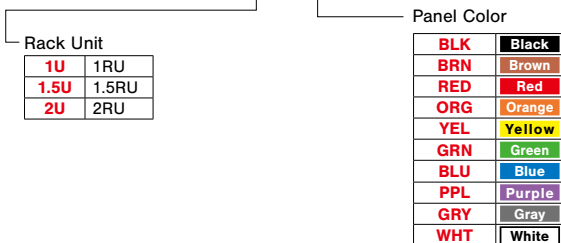
\*\*\*: Please refer to the ordering information below.

#### <Ordering Information>

#### Mid-Size 3G/12G Video Patchbays

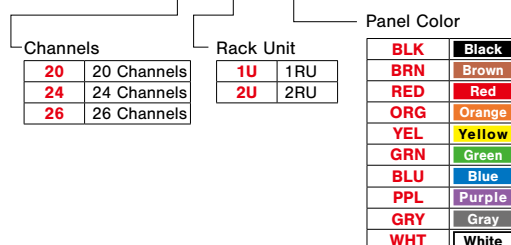
\* for 4RU, one model only: VJ2-M32-4U

MJ2 - M32 - 1U - BLK

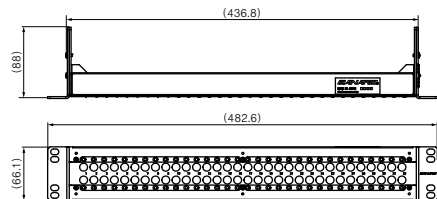
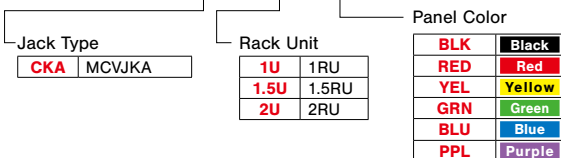


#### WECO Video Patchbays

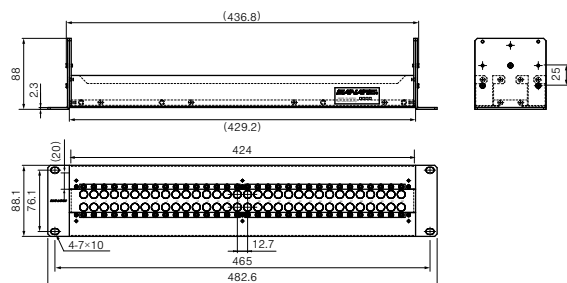
VJ2 - V 24 - 1U - BLK



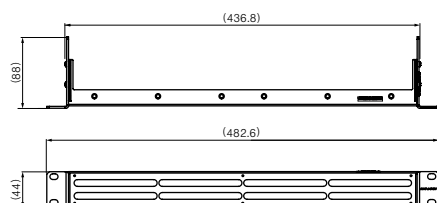
MJ2 - M32 CKA - 1.5U - BLK



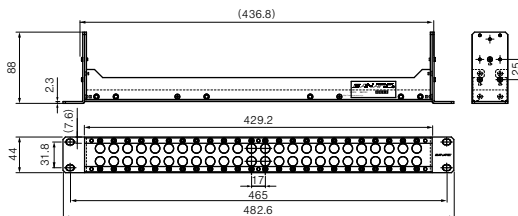
MJ2-M32-1.5U-BLK



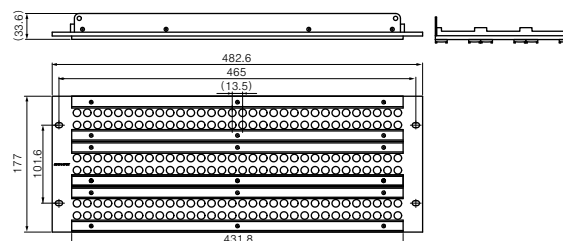
MJ2-M32-2U-BLK



MJ2-M32CKA-1U-BLK



VJ2-V24-1U-BLK



VJ2-M32-4U

#### Designation Strip Dimensions

- 1RU : 426 mm × 6.2 mm\*
- 1.5RU: 426.5 mm × 16.7 mm
- 2RU : 420 mm × 18.4 mm\*\*
- 4RU : 431.8 mm × 13.2 mm

\* MJ2-M32CKA-1U-\*\* 426mm × 8.5mm  
 \*\* MJ2-M32CKA-2U-\*\* 426.5mm × 16.7mm

#### Note :

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

**RS422 Patchbays**

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

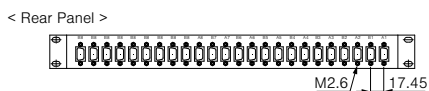
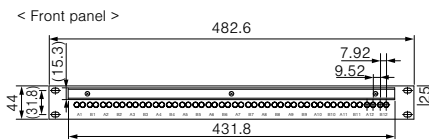
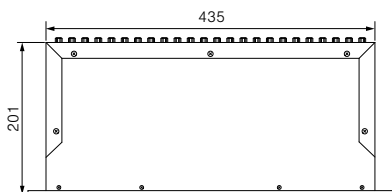
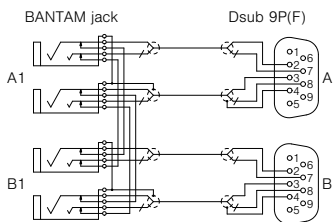
- The RS422 serial signal used for VTR remote applications can now be switched with Bantam patchbay ease.
- D sub screws are M2.6

\* Listed above items are other manufacturer's products.

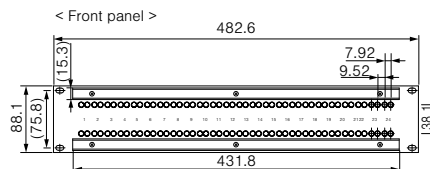
Website



**RS-422-2U-48**



**RS-422-1U-24**



**RS-422-2U-48**

IP Connectivity Products

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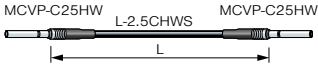
# Panels and Patchbays

## Video Patch Cords

### Video Patch Cords

#### Canare Micro

For 32MCKA-ST or 48MC

Type	Model	Length (m)
	MCVPC003	0.3
	MCVPC005	0.5
	MCVPC01	1

BLK BRN RED YEL GRN BLU PPL

Website

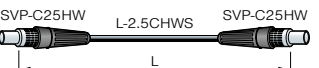


Canare Micro



#### Canare Single

For 32SVK

Type	Model	Length (m)
	SVPC003	0.3
	SVPC005	0.5
	SVPC01	1

BLK BRN RED YEL GRN BLU PPL

Website





Canare Single



#### Mini-WECO

For 32MD-ST and Mini-WECO patchbays

Type	Model	Length (m)
	MVPC003	0.3
	MVPC005	0.5
	MVPC01	1
	MVPC003-HW	0.3
	MVPC005-HW	0.5
	MVPC01-HW	1

BLK RED YEL GRN BLU

Website





Mini-WECO



#### WECO

For 2\*DV and WECO patchbays

Type	Model	Length (m)
	VPC003-WC	0.3
	VPC005-WC	0.5
	VPC01-WC	1
	VPC003-HW-WC	0.3
	VPC005-HW-WC	0.5
	VPC01-HW-WC	1

BLK BRN RED GRN YEL GRN BLU PPL GRY WHI

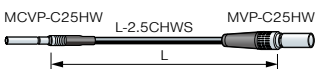
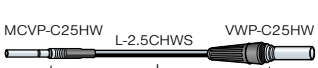
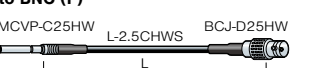
Website



WECO



#### Canare Micro Conversion

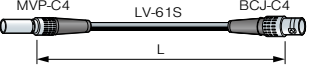

Type	Model	Length (m)
<b>to Mini-WECO</b> 	MCVPC003-MVP	0.3
	MCVPC005-MVP	0.5
	MCVPC01-MVP	1
<b>to WECO</b> 	MCVPC003-VWP	0.3
	MCVPC005-VWP	0.5
	MCVPC01-VWP	1
<b>to BNC (F)</b> 	MCVPC002-BJ	0.2

BLK BRN RED YEL GRN BLU PPL

Website



#### Mini-WECO Conversion

Type	Model	Length (m)
<b>to BNC (F)</b> 	MVPC002-BJ	0.2
<b>to BNC (M)</b> 	MVPC02A-BP	2
	MVPC05A-BP	5

BLK RED YEL GRN BLU

Website



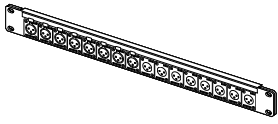
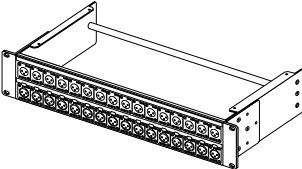
**Pre-Loaded A/V Connector Panels**

**Key Features and Benefits**


- BNC and XLR types are available.
- Clear plastic cover, full screen desi-strip
- Variety of panel options
- Most popular panel holes XLR F77 and Neutrik D available



**XLR Connector Panels**

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

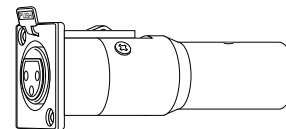
**BNC Connector Panels**

Type	Panel Size	Model	Loaded Connector	Panel P/N	Dimensions (mm)
 <p>161U-JRUK</p>	1RU	<b>161U-JRUK</b>	BCJ-JRUK (16 pcs)	1U-AS1	44 × 482.6 × 31.4
	2RU	<b>162U-JRUK</b>	BCJ-JRUK (32 pcs, 2 rows)	2U-AS7	88.1 × 482.6 × 217

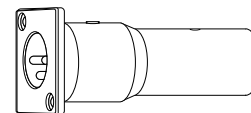
**XLR3 Panel Mount Adapters**

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

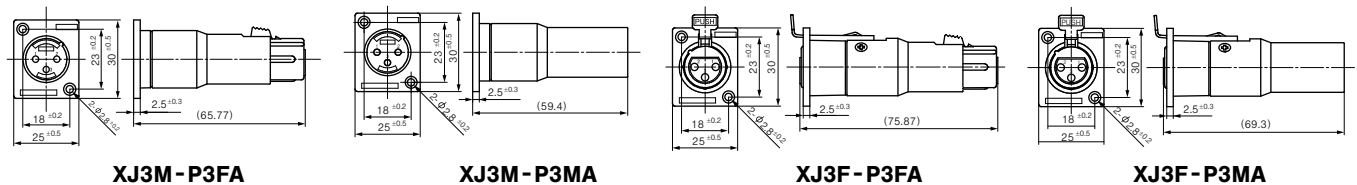
- XJ3 series are XLR3 full compatible.
- XLR jack to jack extremely reduce installation hours.



**XJ3F-P3MA**



**XJ3M-P3MA**



**XJ3M-P3FA**

**XJ3M-P3MA**

**XJ3F-P3FA**

**XJ3F-P3MA**

**Blank Panels**

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

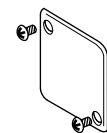
**BP-DXF**

- 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**



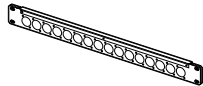
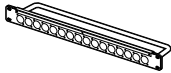
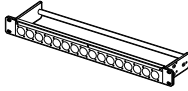
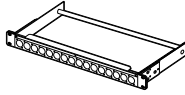
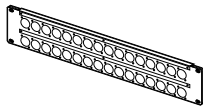
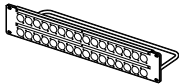
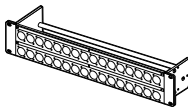
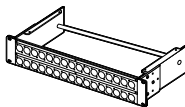
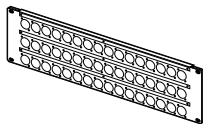
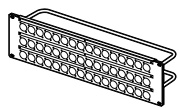
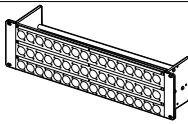
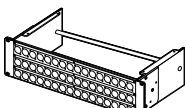
**BP-XF**



# 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
1RU 16 holes × 1 row				
Model	1U-AS1 (D)	1U-AS3 (D)	1U-AS5 (D)	1U-AS7 (D)
Depth (mm)	—	64.8	100	217
2RU 16 holes × 2 rows				
Model	2U-AS1 (D)	2U-AS3 (D)	2U-AS5 (D)	2U-AS7 (D)
Depth (mm)	—	64.8	100	217
3RU 16 holes × 3 rows				
Model	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	1RU, 16 holes, 1row
2U	2RU, 32 holes, 2rows
3U	3RU, 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

Website

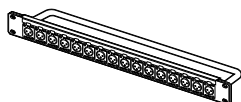


**Note:** Depending on their length, some connectors can not be mounted on the panel with a cable tie bar installed.

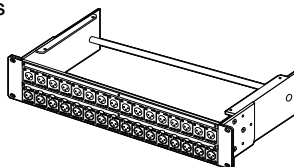
### Related Products

Model	Description
M-MA1U02A <b>New</b>	1RU mounting brackets for a Variable panel, 2 pcs. (left and right)
M-MA2U02	2RU mounting brackets for a Variable panel, 2 pcs. (left and right)
M-MA3U02	3RU mounting brackets for a Variable panel, 2 pcs. (left and right)
DS10-AS4	Designation strip for Canare A/V connector panels, 2 pcs.

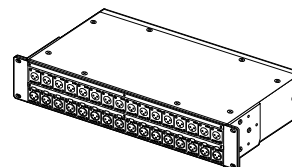
### Examples of Custom-Made Connector Panels



1U-AS3 + XLR3-31-F77 × 16



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

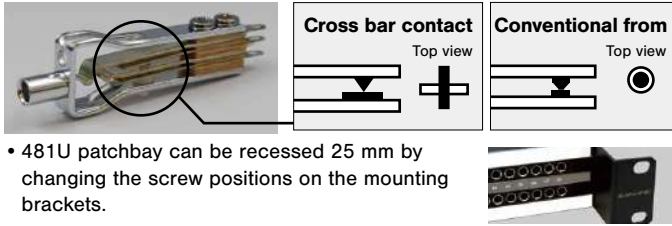
### Options

- 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-MA1U02A or 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.

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

\* Listed above items are other manufacturer's products.



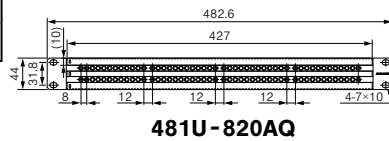
Bantam patch panel 481U-820AQ



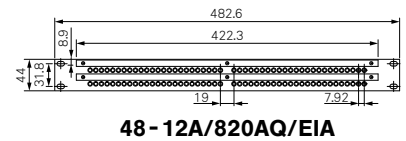
Bantam patch panel 48-12A/820AQ/EIA



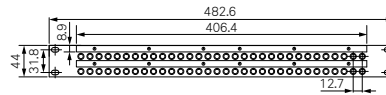
BC \* M  
(See page 92 for patch cords.)



481U-820AQ



48-12A/820AQ/EIA

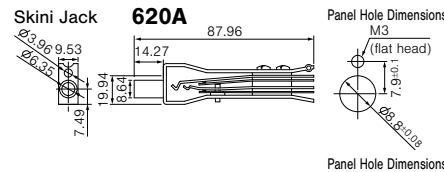
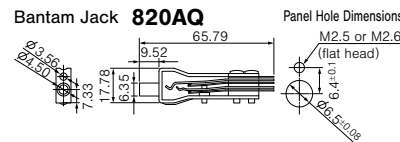


32-12A/620A/EIA

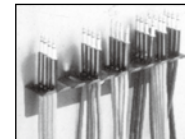
Audio Patchbays Related Products

Model	Description
620A	Skini Jack
820AQ	Bantam Jack
ABJ - DC	Bantam Jack Dust Cap (100 pcs/pkg)
NP3TMC - B	Maxi/Skini Plug
ABP - DP <b>New</b>	Bantam Dummy Plug (10 pcs.)
ABP - TA <b>New</b>	600Ω Bantam Terminating Plug
PH50A	Maxi/Skini/Video Patch Cord Holder
PH50B	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.



Patch Cord Holder



Capable up to 50 patch cords.  
Easy to install on the wall or side of rack.  
**PH50A** for Maxi/Skini, Video cords.  
**PH50B** for Bantam cords.



ABP-DP

ABP-TA

Technical Note

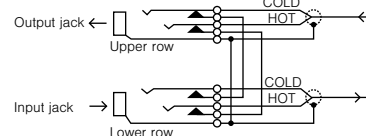
Audio Patchbay Normalling Descriptions

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>

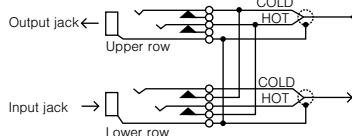
F: Full normal connection



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.

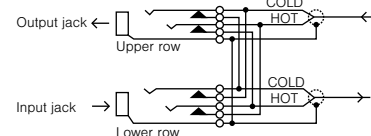
H: Half normal connection



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.

# Panels and Patchbays

## Audio Patchbays

### Wired Box

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

Website

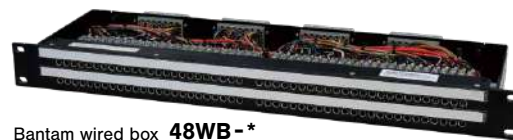


Bantam

Website



Skini



Bantam wired box **48WB-\***



Skini wired panel **32XP-\***

### Wired Panels

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

\*Cables are 2 meters in length.

Normalizing Options

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

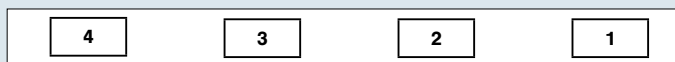


TC\*\*B

(See page 92 or patch cords)

### 90-602 Connector Format (Wired box)

<Rear panel>

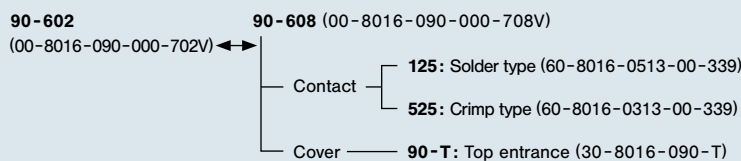


Bantam Lower row 25-48 ch Upper row 25-48 ch Lower row 1~24 ch Upper row 1~24 ch  
 Skini Lower row 17-32 ch Upper row 17-32 ch Lower row 1~16 ch Upper row 1~16 ch

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>

<Cable side>



\*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

Channel no.	Skini		Bantam		HOT	COLD	SHIELD
	1	2	1	2			
1	17	1	25	A	H	R	
2	18	2	26	B	J	S	
3	19	3	27	C	K	T	
4	20	4	28	D	L	U	
5	21	5	29	E	M	V	
6	22	6	30	F	N	W	
7	23	7	31	X	AE	AM	
8	24	8	32	Y	AF	AN	
9	25	9	33	Z	AH	AP	
10	26	10	34	AA	AJ	AR	
11	27	11	35	AB	AK	AS	
12	28	12	36	AC	AL	AT	
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