

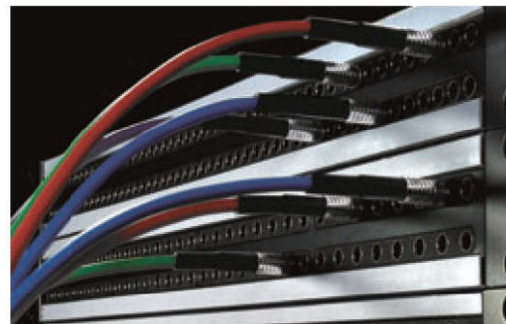
Panels and Patchbays

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

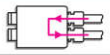
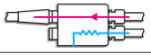

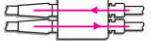
Page	74	75	76	77	78
Applications	4K/8K 12G-SDI 6G-SDI	4K/8K 12G-SDI 6G-SDI	2K/4K 3G-SDI HD-SDI	2K/4K 3G-SDI HD-SDI	2K/4K 3G-SDI HD-SDI
Patchbays					
Channels	32	32	48	32	20, 24, 26
Jacks					
Self Terminating	Yes	No	Yes	Yes	Yes
Front	Canare MCV	Canare SV	Canare MCV	Mini-WECO	WECO
Rear	BNC	BNC	DIN 1.0/2.3	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)
SMPT	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

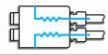
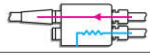
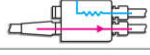
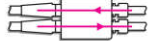
WECO: Western Electric Company (W.E. standard)

Technical Note

Dual Video Jack Normalizing 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.

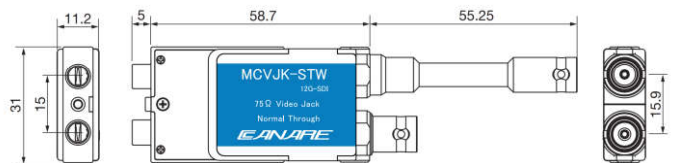
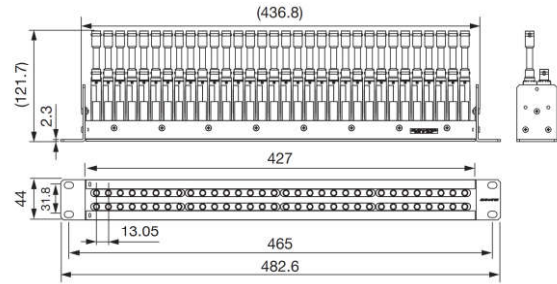
Key Features and Benefits

- 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.



32MCK-ST



MVCP-C25HW

■ 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

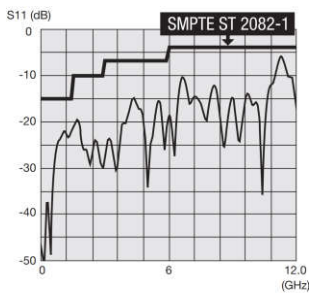
*The plug is specifically designed for MCVJ and MCVJK jacks.

■ Accessories

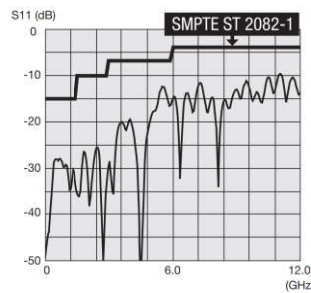
Model	Description
MCVJ-DC	Duct cap (black, 100 pcs)
MCVPC**	Patch cords (see page 91)
BET-12	BNC extraction tool (see page 47)
MJ2-M32CK-1U-***	Unloaded panels (see page 80)

Return Loss & 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

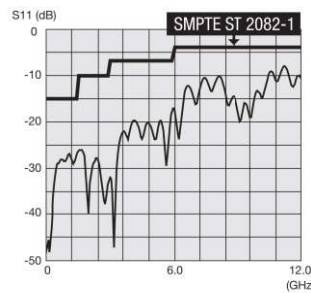


Normal Through

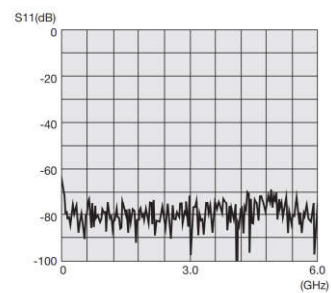


Patch Through
(Long Through)

Return Loss for MCVJK-STW



Patch Through
(Short BNC port)



Isolation

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)

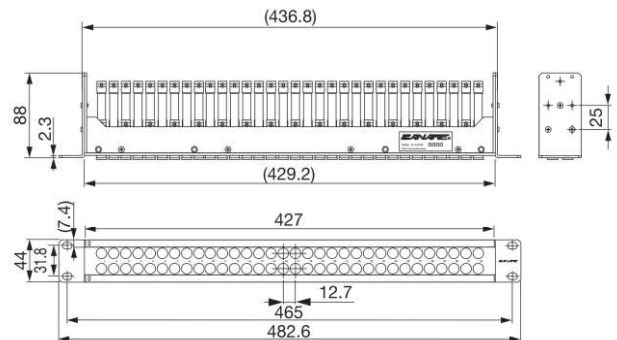


32SVK-ST



SVJK-L

SVJK-S



SVP-ULK



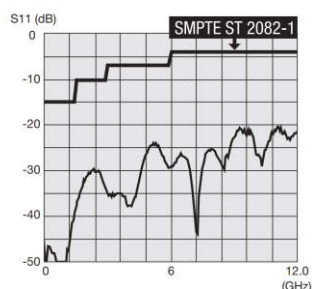
(back)



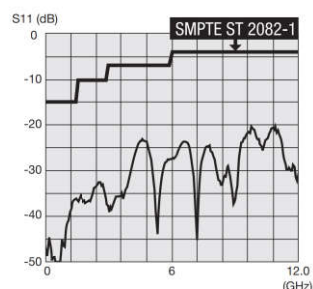
SVPC**

Return Loss

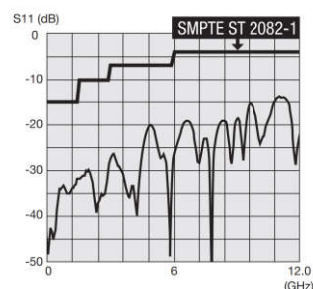
Model	SVJK-S, SVJK-L	SVP-TK	SVP-ULK
@ 3 GHz	26 dB or greater	25 dB or greater	20 dB or greater
@ 6 GHz	20 dB or greater	20 dB or greater	13 dB or greater
@ 12 GHz	15 dB or greater	15 dB or greater	7 dB or greater



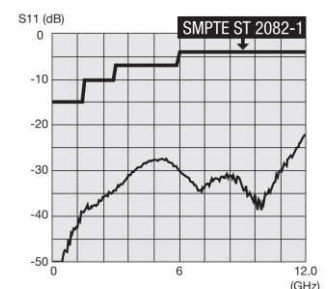
SVJK-S



SVJK-L



SVJK-S & -L with SVJP-ULK



SVP-TK

Panels and Patchbays

75Ω Video Patchbays

75Ω Micro Video Patchbays

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

■ Patchbays

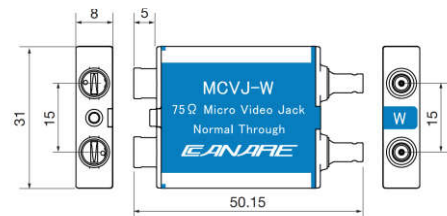
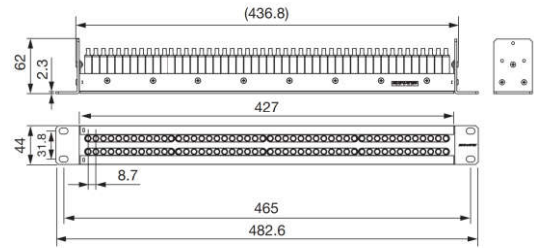
Model	Panel Size	Loaded Video Jacks
48MC	1 RU	48 x MCVJ-W
48MCS	1 RU	48 x MCVJ-S

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
MVCP-C25HW	L-2.5CHWS	—	TCD-D253F

*Standard package: 20 pcs

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

■ Accessories

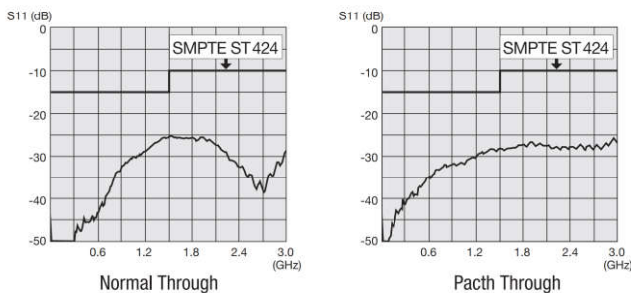
Model	Description
MCVJ-DC	Duct cap (black, 100 pcs)
MCVPC**	Patch cords (see page 91)
BET-DIN	DIN 1.0/2.3 extraction tool (see page 47)



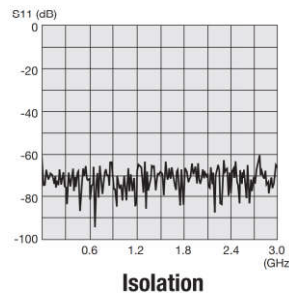
MVCP-C25HW

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	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



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

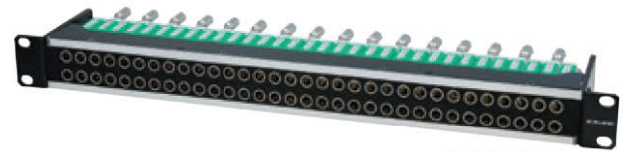
Model	Suitable Cable	Boot	Die Set
MVP-C25HW	L-2.5CHWS	CB25	TCD-D253F
MVP-C4	LV-61S, RG-59B/U, Belden 8241, 8279, 88241	CB25	TCD-451CA TCD-4CA

*Standard package: 20 pcs

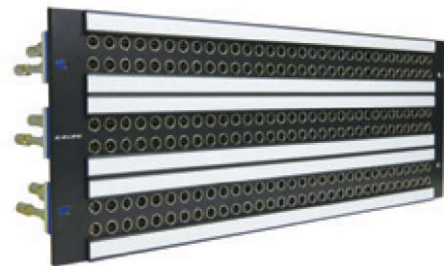
Accessories

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	

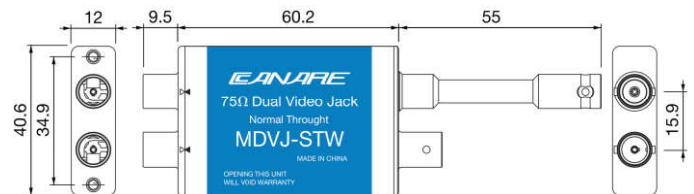
**BCJ-MVP is recommended to use with Slim BNC plug (see page 31)



32MD-STs



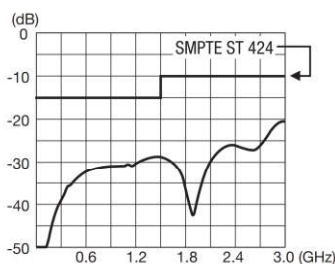
32MD-ST-4U



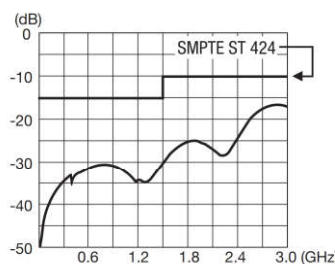
MVP-C4

Return Loss & Isolation

Model	MDVJ-STW	MDVJ-STs
BNC-BNC: Normal Through		—
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	35 dB or greater @ 1.5 GHz 20 dB or greater @ 3.0 GHz

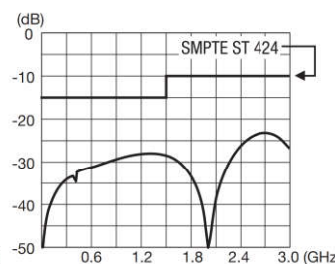


Normal Through

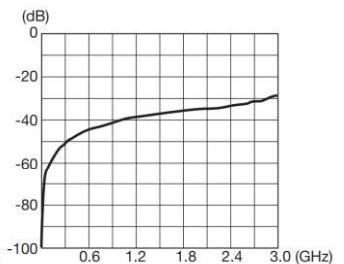


Patch Through
(Long BNC port)

Return loss for MDVJ-STW



Patch Through
(Short BNC port)



Isolation

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

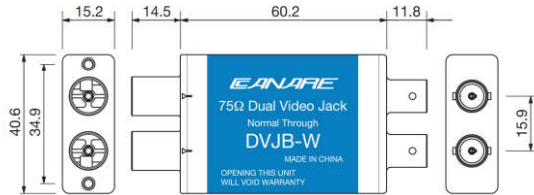
*Standard package: 20 pcs

■ 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)



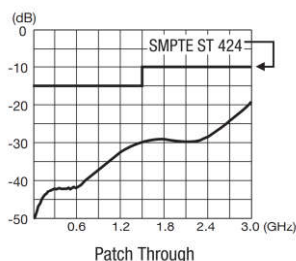
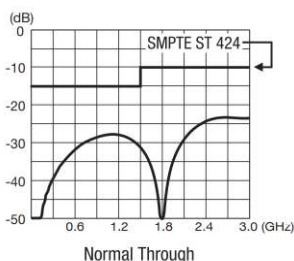
26DV



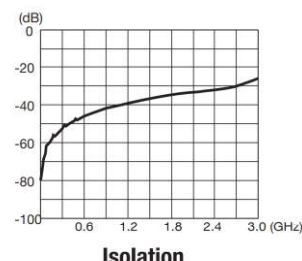
VWP-C4A

Return Loss & Isolation

Model	DVJB-W	DVJB-S	
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



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.

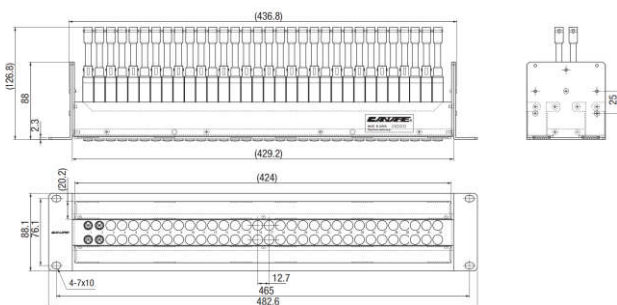
Designation Strip Dimensions

1 RU: 426 mm x 6.2 mm

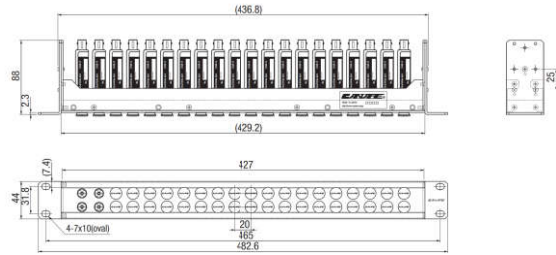
2 RU: 420 mm x 18.4 mm

4 RU: 431.8 mm x 13.2 mm

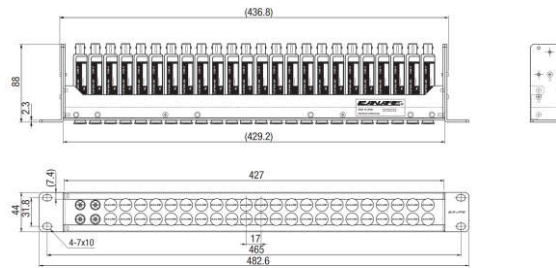
32MD-ST-2U



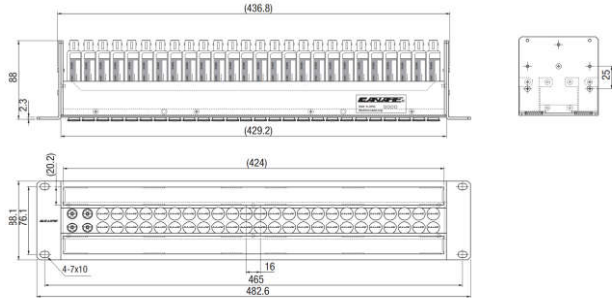
20DV (1RU)



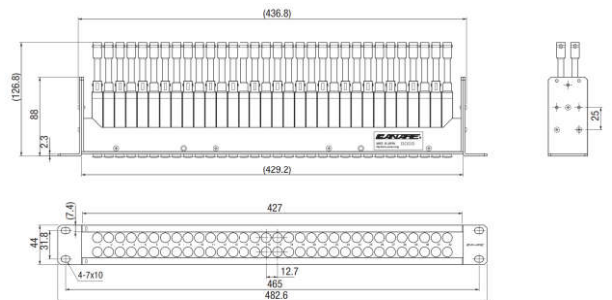
24DV (1RU)



26DV-2U (2RU)



32MD-ST



32MD-ST-4U

