

# Cable for Keyence SV / MV Series

## ▼ Power / Encoder Cable Connection Diagram

**SVPK-SV1, 2, 3**  
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Pin Number	Signal Name	Wire Color
1	FG	YG
2	W	Blue
3	V	White
4	U	Red
5	-	-
6	-	-

\* View from cable side mating surface

**SVPK-SV4**  
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Pin No.	Signal Name	Cable
A	U Phase	Red
B	V Phase	White
C	W Phase	Black
D	FG	Green

\* View from device side mating surface

**SVPK-SV5, 6, 7**  
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Pin No.	Signal Name	Cable
A	U Phase	Red
B	V Phase	White
C	W Phase	Blue
D	FG	YG

\* View from device side mating surface

**SVPK-SV1B, 2B, 3B**  
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Pin Number	Signal Name	Wire Color
1	FG	YG
2	W	Blue
3	V	White
4	U	Red
5	B1	Black
6	B2	Black

\* View from cable side mating surface  
\* B1 and B2 have no polarity

**SVPK-SV4B**  
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Pin No.	Signal Name	Cable
1	B1	Black
2	B2	White

\* View from device side mating surface

**SVEK-SV1**  
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Amplifier Side (HA)      Motor Side (HM)

Signal Name	Wire Color	Pin Number
/PS	White / Light Blue	6
PS	Light Blue	5
BAT(-)	White / Orange	4
BAT(+)	Orange	3
PG 0V	Black	2
PG 5V	Red	1
FG	Shield	Shell

Pin Number	Wire Color
5	Light Blue / White
4	Light Blue
8	White / Orange
9	Orange
3	Black
6	Red
Shell	Shield

Shielded Wire

**SVEK-SV2**  
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Servo Amplifier Side      Servomotor Side

Signal Name	Wire Color	Pin No.
/PS	Light Blue / White	6
PS	Light Blue	5
BAT(-)	White / Orange	4
BAT(+)	Orange	3
PG 0V	Black	2
PG 5V	Red	1
FG	Shield	Shell

Pin No.	Wire Color
2	Light Blue / White
1	Light Blue
5	White / Orange
6	Orange
9	Black
4	Red
10	Shield

Shielded Wire

**SVPK-MV1**  
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U	Red
V	White
W	Black
G	Yellow / Green

\* View of connector from pin insertion surface

**SVPK-MV1B**  
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1	Yellow
2	Yellow

\* View of connector from pin insertion surface

**SVEK-MV1**  
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Servo Amplifier Side      Servomotor Side

1		1	GND
2		2	5V
3		3	PS
4		4	PS
5		5	BAT+
6		6	BAT-
		7	-
		8	-
		9	-

- Selection Method of Connector Included Cable
- Square Connector Included Cable
- Coaxial Connector Included Cable
- Cable with Round Connector
- Nylon Connector Included Cable
- Custom Service
- Connector Included Cable Documents