

Cable for Yaskawa Electric Σ V Series

▼ Encoder Cable Connection Diagram List

SVEY-SGFV1
Product Page [O623](#)

Amplifier Side (HA) Motor Side (HM)

Signal Name	Wire Color	Pin Number	Pin Number	Wire Color
/PS	White / Light Blue	6	5	Light Blue / White
PS	Light Blue	5	4	Light Blue
BAT (-)	White / Orange	4	8	White / Orange
BAT (+)	Orange	3	9	Orange
PG 0V	Black	2	3	Black
PG 5V	Red	1	6	Red
FG	Shield	Shell	Shell	Shield

Shielded Wire

SVEY-SGFV3
Product Page [O623](#)

Amplifier Side (HA) Motor Side (HM)

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

Shielded Wire

SVEY-SGFV4
Product Page [O623](#)

Servo Amplifier Side Servomotor Side

Signal Name	Wire Color	Pin No.	Pin No.	Wire Color
/PS	Light Blue / White	6	2	Light Blue / White
PS	Light Blue	5	1	Light Blue
BAT (-)	White / Orange	4	5	White / Orange
BAT (+)	Orange	3	6	Orange
PG 0V	Black	2	9	Black
PG 5V	Red	1	4	Red
FG	Shield	Shell	10	Shield

Shielded Wire

SVEY-SGFV1M
Product Page [O623](#)

Amplifier Side Motor Side

Signal Name	Pin Number	Pin Number	Wire Color
/PS	6	5	Light Blue / White
PS	5	4	Light Blue
BAT (-)	4	8	Orange / White
BAT (+)	3	9	Orange
PG 0V	2	3	Black
PG 5V	1	6	Red
FG	Shell	Shell	FG

Shielded Wire

SVEY-SGFV12L
Product Page [O623](#)

Amplifier Side Motor Side

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

Shielded Wire

SVEY-SGFV2M
Product Page [O623](#)

Driver Side Motor Side

Pin Number	Signal Name	Pin Number	Wire Color
6	/PS	2	Light Blue / White
5	PS	1	Light Blue
4	BAT (-)	5	Orange / White
3	BAT (+)	6	Orange
2	PG 0V	9	Black
1	PG 5V	4	Red
Shell	FG	10	FG

Shielded Wire

Connector Included Cable Documents