

Cable for Omron OMNUC G5 Series

▼ Encoder Cable

SVEO-G51
Product Page [O639](#)

Amplifier Side

Signal Name	Wire Color		Pin Number
	A Cable	B Cable	
ESV	Red	Red	1
E0V	Black	Black	2
BAT+	Orange	Orange	3
BAT-	Orange / White	Purple	4
S+	Light Blue	Blue	5
S-	Light Blue / White	White	6
FG	Shield	Shield	Shell

Motor Side

Pin Number	Wire Color		Signal Name
	A Cable	B Cable	
6	Red	Red	ESV
3	Black	Black	E0V
5	Orange	Orange	BAT+
2	Orange / White	Purple	BAT-
7	Light Blue	Blue	S+
4	Light Blue / White	White	S-
1	Shield	Shield	FG

SVEO-G52
Product Page [O639](#)

Driver Side

Signal Name	Wire Color	Pin No.
ESV	Red	1
E0V	Black	2
BAT+	Orange	3
BAT-	Orange / White	4
S+	Blue	5
S-	Blue / White	6
FG	Shield	Shell

Motor Side

Pin No.	Signal Name
4	ESV
1	E0V
6	BAT+
5	BAT-
3	S+
7	S-
9	FG

Connector Included Cable Documents

Cable for Omron OMNUC W Series

▼ Motor Cable Connection Diagram

SVPO-OMNW1
Product Page [O640](#)

Pin Number	Signal Name	Wire Color
1	U	Red
2	V	White
3	W	Blue
4	FG	YG

SVPO-OMNW2
Product Page [O640](#)

Pin Number	Signal	Wire Color
A	U	Red
B	V	White
C	W	Blue
D	FG	YG

* View from device side mating surface

SVPO-OMNW1B
Product Page [O640](#)

Pin Number	Signal Name	Wire Color
1	U	Red
2	V	White
3	W	Blue
4	FG	YG
5	B1	Black
6	B2	Black

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

SVPO-OMNW2B
Product Page [O640](#)

Pin Number	Signal	Wire Color
A	U	Red
B	V	White
C	W	Blue
D	FG	YG
E	B1	Black
F	B2	Black
G	-	-

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

▼ Encoder Cable Connection Diagram

SVEO-OMNW1
Product Page [O641](#)

Amplifier Side (HA)

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

Motor Side (HM)

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

SVEO-OMNW2
Product Page [O641](#)

Amplifier Side (HA)

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

Motor Side (HM)

Pin Number	Wire Color	Signal Name
C	Blue	S (+)
D	White / Blue	S (-)
G	Black	E 0V
H	Red	E SV
S	White / Orange	BAT (-)
T	Orange	BAT (+)
J	Shield	