

4-2 Wire color and assigned function

- Depending on the Display unit model and functions used, the cable colors and assigned functions vary.
- The functions assigned to the AUX outputs can be changed in the settings.
 - * The settings are configured in the SZ-V Configurator. For details on the settings procedure, see "Configuring the settings" (Page 74).

Wire color and assigned function of SZ-V04 type

- Depending on whether the functions below are used or not determines which of the six types of wiring patterns is used.
 - "Multi-OSSD Function" (page 54)
 - "Bank Switching Function" (page 49)
 - "Muting function" (page 55)

Pattern (1) to (3) OSSD3/4: Not used

Wire color	Pattern (1)	Pattern (2)	Pattern (3)
Multi OSSD	Not used	Not used	Not used
Bank switching	Not used	Not used	Used (4 banks or less)
Muting	Not used	Used	Not used
Brown	+24 V		
Blue	0V		
Black	OSSD 1		
White	OSSD 2		
Gray	Not used		
Gray/Black	Not used		
Yellow	Reset input / Laser off input		
Red	EDM input		
Light blue	Not used	Muting input 1	Bank input A
Light blue / Black	Not used	Muting input 2	Bank input a
Yellow / Black	Not used	Override input	Bank input B
Red / Black	Not used	Not use	Bank input b
Orange	AUX output 1 (State information output 1)		
Orange / Black	AUX output 2 (State information output 2)		
Pink	AUX output 3		
Pink / Black	AUX output 4		
Green	AUX output 5		
Green / Black	AUX output 6	AUX output 6 (Muting lamp output)	AUX output 6

Pattern (4) to (6) OSSD3/4: Used

Wire color	Pattern (4)	Pattern (5)	Pattern (6)
Multi OSSD	Used	Used	Used
Bank switching	Not used	Used (2 banks or less)	Used (4 banks or less, or independent bank switching)
Muting	Not used	Not used	Not used
Brown	+24 V		
Blue	0V		
Black	OSSD 1		
White	OSSD 2		
Gray	OSSD 3		
Gray / Black	OSSD 4		
Yellow	Reset input (1/2) / Laser off input		Bank input b
Red	EDM input (1/2)		
Light blue	Not used	Bank input A	
Light blue / Black	Not used	Bank input a	
Yellow / Black	Reset input (3/4)		Bank input B
Red / Black	EDM input (3/4)		
Orange	AUX output 1 (State information output 1)		
Orange / Black	AUX output 2 (State information output 2)		
Pink	AUX output 3		
Pink / Black	AUX output 4		
Green	AUX output 5		
Green / Black	AUX output 6		

Wire color and assigned function of SZ-V32 type

- The way the "Bank Switching Function" (page 49) is used determines which of the four types of wiring patterns is used.

Pattern (1) to (4)

Wire color	Pattern (1)	Pattern (2)	Pattern (3)	Pattern (4)
Bank switching	Not used	Used	Used	Used
Bank switching method		Single or Binary		Encoder
Available no. of banks		Single: 8 banks or less Binary: 16 banks or less	Single: 10 banks or less Binary: 32 banks or less	
Brown	+24 V			
Blue	0V			
Black	OSSD 1			
White	OSSD 2			
Gray	AUX output 1 (State information output)			
Gray / Black	AUX output 2 (State information output)			
Yellow	Reset input / Laser off input			
Red	EDM input			
Light blue	Not used	Bank input A		
Light blue / Black	Not used	Bank input a		
Yellow / Black	Not used	Bank input D		Encoder input 1A
Red / Black	Not used	Bank input d		Encoder input 2A
Orange	Not used	Bank input B		
Orange / Black	Not used	Bank input b		
Pink	Not used	Bank input C		Encoder input 1B
Pink / Black	Not used	Bank input c		Encoder input 2B
Green	AUX output 3		Bank input E	Encoder input 1A-
Green / Black	AUX output 4		Bank input e	Encoder input 2A-