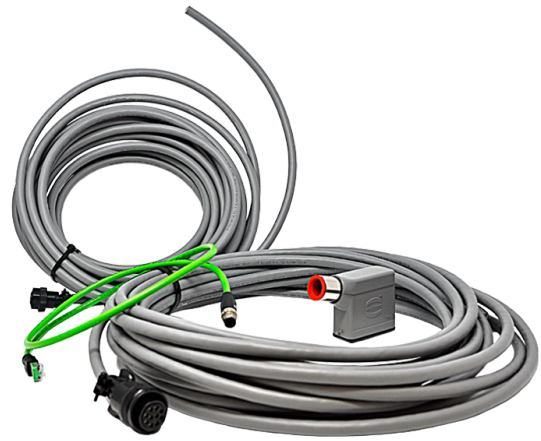


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CABLE PINOUTS

CBL1

Cables & Connectors

Incremental Cable Assembly Pinouts

Connector	Option "BW", "CW" (Cable)	Option "BA" (MS 10 Pin) (Small Encoder)	Option "BB" (MS 10 Pin) (Large Encoder)	Option "BE", "CE" (MS 6 Pin)	Option "BJ", "CJ" (MS 7 Pin)	Option "BR" (Mini TW 10 pin)	Option "BP, CP" (EPIC)	Ref. Signal
Channels	A, A/ B, B/ Z, Z/	A, A/ B, B/ Z, Z/	A, A/ B, B/ Z, Z/	A, A/ B, B/	A B Z	A, A/ B, B/ Z, Z/	A, A/ B, B/ Z, Z/	
Encoder Wiring	Green	A	D	E	A	A	2	A
	Yellow	H	G	C	N/C	H	7	A/
	Blue	B	E	D	B	B	3	B
	Gray	I	H	F	N/C	J	8	B/
	Orange	C	C	N/C	C	C	4	Z
	White	J	I	N/C	N/C	K	9	Z/
	Black	F	A	A	F	F	1	COM/GND
	Red	D	B	B	D	D	6	+V
	Brown	N/C	F	N/C	N/C	N/C	5	ALM (VDC)
	Violet	N/C	J	N/C	N/C	N/C	10	ALM
Shield								Shield

Absolute Cable Assembly Pinouts

DeviceNet				Profibus DP			
Function: Bus In + Power - M12 5 pin			Ref. Signal	Function: Bus In + Bus Out - M12 5 pin			Ref. Signal
Encoder Wiring	Shield	1	Shield	Encoder Wiring	N/C	1	-
	Red	2	+V		Green	2	Bus A
	Black	3	COM/GND		N/C	3	-
	White	4	Can H		Red	4	Bus B
	Blue	5	Can L		Shield	5	Shield
Function: Power - M12 4 pin				Encoder Wiring	Brown	1	+V
					White	2	-
					Blue	3	COM/GND
					Black	4	-

Absolute Cable Assembly Pinouts

SSI			
Function: Signal + Power - M12 8 pin			Ref. Signal
Encoder Wiring	White	1	COM/GND
	Brown	2	+V
	Green	3	CLK+
	Yellow	4	CLK-
	Gray	5	DAT+
	Pink	6	DAT-
	Blue	7	Set Zero
	Red	8	Set Direction
Function: Signal + Power - M23 12 pin			
Encoder Wiring	White	1	CLK-
	Brown	2	CLK+
	Green	3	DAT+
	Yellow	4	DAT-
	Gray	5	N/C
	Pink	6	N/C
	Blue	7	N/C
	Red	8	Set Direction
	Black	9	Set Zero
	Violet	10	N/C
	Pink/Grey	11	+V
	Red/Blue	12	COM/GND

CANOpen			
Function: Bus In + Power - M12 5 pin			Ref. Signal
Encoder Wiring	N/C	1	-
	Red	2	+V
	Black	3	COM/GND
	White	4	Can H
	Blue	5	Can L

Ethernet			
Function: Bus In + Bus Out - M12 4 pin			Ref. Signal
Encoder Wiring	White/Orange	1	+TX
	White/Green	2	+RX
	Orange	3	-TX
	Green	4	-RX
Function: Power - M12 4 pin			
Encoder Wiring	Brown	1	+V
	White	2	
	Black	3	COM/GND
	Blue	4	

Parallel				
Function: Signal + Power - M27 26 pin			Multiturn Signal	Singleturn Signal
Encoder Wiring	Brown	1	Bit 1-LSB	Bit 1-LSB
	White/Grey	2	Bit 2	Bit 2
	Blue/Grey	3	Bit 3	Bit 3
	Brown/Grey	4	Bit 4	Bit 4
	Black/Yellow	5	Bit 5	Bit 5
	White/Yellow	6	Bit 6	Bit 6
	Blue/Yellow	7	Bit 7	Bit 7
	Brown/ Yellow	8	Bit 8	Bit 8
	Black/Red	9	Bit 9	Bit 9
	White/Red	10	Bit 10	Bit 10
	Blue/Red	11	Bit 11	Bit 11
	Brown/Red	12	Bit 12	Bit 12
	Black	13	Bit 13	Bit 13
	White	14	Bit 14	Bit 14
	Blue	15	Bit 15	Bit 15
	Black/Grey	16	Bit 16	Bit 16
	Brown/ Orange	17	Bit 17	N/C
	White/ Orange	18	Bit 18	N/C
	Black/ Orange	19	Bit 19	N/C
	Black/Green	20	Bit 20	N/C
	White/Green	21	Bit 21	N/C
	Blue/Green	22	Preset	Preset
	Brown/Green	23	Latch	Latch
	Blue/Orange	24	Direction	Direction
	Orange	25	+V	+V
	Green/Yellow	26	COM/GND	COM/GND

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