Cable Assemblies

IMPORTANT: SAVE THESE INSTRUCTIONS FOR FUTURE USE.

Selection

845 — CA — C — 25

a ***b***

ATTENTION: The shielded cables, output devices, and power supplies must be properly grounded. All National Electric Code and applicable local codes and ordinances must be observed when wiring the system.

a

Connector	
Code	**Description**
A	6 Pin (845T)
B	7 Pin (845F, H, T)
C	10 Pin (845F, H, T, 844D)
D	19 Pin (845D,845G)❶
E	10 Pin (846)
F	19 Pin (846)
G	12 Pin (842A)
H	17 Pin (845G)❶
K	10 Pin (845S)
PY	10 Pin (845PY)

b

Cable Length	
Code	**Description**
10	10ft
25	25ft
50	50ft ❷
100	100ft ❷

❶ Pin function information available in Installation Instructions for encoder.

❷ Not recommended for 5V DC powered encoders.

Catalog Number	Wire Pair	Wire Color	Function	Pin
845-CA-A-__	Red/Black/Shield	Red	+DC Input	B
		Black	DC Common	A
	White/Black/Shield	White	CH A	E
		Black	N/C	—
	Blue/Black/Shield	Blue	CH B	D
		Black	N/C	—
	Green/Black/Shield	Green	CH Z	C
		Black	N/C	—

Catalog Number	Wire Pair	Wire Color	Function	Pin
845-CA-B-__	Red/Black/Shield	Red	+DC Input	D
		Black	DC Common	F
	White/Black/Shield	White	CH A	A
		Black	N/C	—
	Blue/Black/Shield	Blue	CH B	B
		Black	N/C	—
	Green/Black/Shield	Green	CH Z	C
		Black	N/C	—

Catalog Number	Wire Pair	Wire Color	Function	Pin
845-CA-C-__	Red/Black/Shield	Red	+DC Input	D
		Black	DC Common	F
	White/Black/Shield	White	CH A	A
		Black	CH $\overline{A}$	H
	Blue/Black/Shield	Blue	CH B	B
		Black	CH $\overline{B}$	I
	Green/Black/Shield	Green	CH Z	C
		Black	CH $\overline{Z}$	J

Catalog Number	Wire Color	Pin	Wire Color	Pin
845-CA-D-__	Brown	A	White/Red	L
	Orange	B	White/Yellow	M
	Yellow	C	White/Green	N
	Green	D	White/Blue	P
	Blue	E	White/Black	R
	Violet	F	White/Violet	S
	Gray	G	Black	T
	White	H	White/Gray	U
	White/Orange	J	Red	V
	White/Brown	K	White/Black/Brown	—
			Shield	Shield

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Catalog Number	Wire Pair	Wire Color	Function	Pin
845-CA-E-__	White/Black/Shield	White	R1 Rotor	A
		Black	R2 Rotor	B
	Red/Black/Shield	Red	S1 Stator	D
		Black	S3 Stator	F
	Green/Black/Shield	Green	S2 Stator	E
		Black	S4 Stator	G

Catalog Number	Wire Pair	Wire Color	Function	Pin
845-CA-F-__	White/Black/Shield	White	R1 Rotor	A
		Black	R2 Rotor	B
	Red/Black/Shield	Red	S1 Stator	D
		Black	S3 Stator	F
	Green/Black/Shield	Green	S2 Stator	E
		Black	S4 Stator	G

Catalog Number	Wire Pair	Wire Color	Function	Pin
845-CA-G-__	Red/Black/Shield	Red	+DC Input	8
		Black	DC Common	1
	White/Black/Shield	White	Clock +	3
		Black	Clock -	11
	Blue/Black/Shield	Blue	Data +	2
		Black	Data -	10
	Green/Black/Shield	Green	CW/CCW	12
		Black	Reset	9

Catalog Number	Wire Color	Pin	Wire Color	Pin
845-CA-H-__	White/Orange	A	White/Green	L
	White	B	White/Yellow	M
	Gray	C	White/Red	N
	Violet	D	White/Blue	P
	Blue	E	White/Black	R
	Yellow	F	Red	S
	Orange	G	Green	T
	Brown	H		
	White/Violet	J		
	White/Brown	K		
			Shield	Shield

Catalog Number	Wire Pair	Wire Color	Function	Pin
845-CA-K-__	Red/Black/Shield	Red	+DC Input	D
		Black	DC Common	F
	White/Black/Shield	White	CH A	A
		Black	CH $\overline{A}$	H
	Blue/Black/Shield	Blue	CH B	B
		Black	CH $\overline{B}$	I
	Green/Black/Shield	Green	CH Z	C
		Black	CH $\overline{Z}$	J
	All Shields	—	Shield	G

Catalog Number	Wire Pair	Wire Color	Function	Pin
845-CA-PY-__	Red/Black/Shield	Red	+DC Input	D
		Black	DC Common	F
	White/Black/Shield	White	CH A	A
		Black	CH $\overline{A}$	H
	Green/Black/Shield	Green	CH B	B
		Black	CH $\overline{B}$	I