

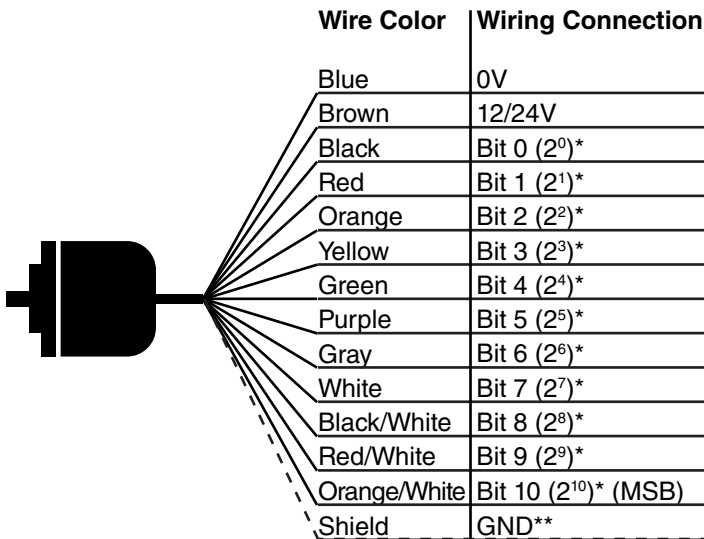
GCSA Gray Code 11 Bit Encoder

Electrical Specifications

Electrical Specifications		TRD-NAxxxxxNWD
Power Supply	Operating Voltage *	10.8–26.4 VDC
	Allowable Ripple	3% rms max
	Current Consumption	70mA max per encoder
Output Waveform	Output Code	Gray binary
	Max Response Frequency	20kHz
	Accuracy	0.087 degrees
Output	Rising/Falling Time **	2.0 μ s max (@ 1k Ω load resistance)
	Output Configuration	NPN open collector
	Output Logic	Negative logic (active low)
	Sinking Current	32mA max
	Residual Voltage	0.4 V max @ \leq 16mA 1.5 V max @ >16mA to 32mA
	Load Power Supply Voltage	35VDC max
	Short Circuit Protection	Not protected
* To be supplied by a class II source.		
** With a Cable of 2m or less.		

GCSA Smart Arms

Wiring Connections



* Numbers in parentheses () are the bits corresponding to binary code.

** Cable shield is not connected to the encoder body; the enclosure is grounded through the 0V wire.

Output Circuit

