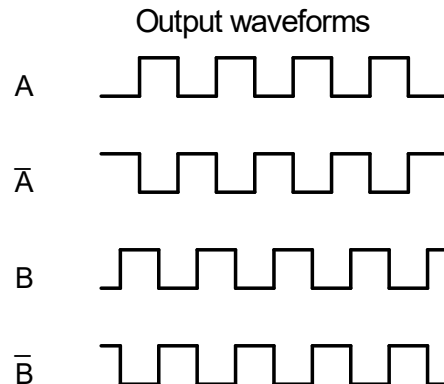# Differential Encoder Output Connections

Applicability:

- Standard, current production RSE & HDE family encoders with differential line driver output, no index
  pulse and no other option which affects wiring
- Pin data applies to encoders or cables with 6 Pin military style connector
- Cable colors apply to encoders with built-in cables or to FSI removable cables

Function	Connector pin	FSI Cable Color	Alternate cable color
Common	A	Green with White Stripe	Black from the black/red pair, labelled "Common"
+V_{cc} (Power Supply)	B	White with Green Stripe	Red, labelled "+V"
A	C	Blue with White Stripe	White, labelled "A"
$\overline{A}$	D	White with Blue Stripe	Black from the black/white pair, labelled "A-not"
B*	E	Orange with White Stripe	Green, labelled "B"
$\overline{B}$*	F	White with Orange Stripe	Black from the black/green twisted pair, labelled "B-not"

* "B" applicable only to quadrature encoders

Output waveforms

	Connections for certain differential line driver encoders	
5/1/18	New, from -01	FSI Technologies Inc.
		668 Western Ave.
		Lombard, Illinois 60148

630-932-9380
www.fsinet.com

Drawing #:
9961-0011-02