



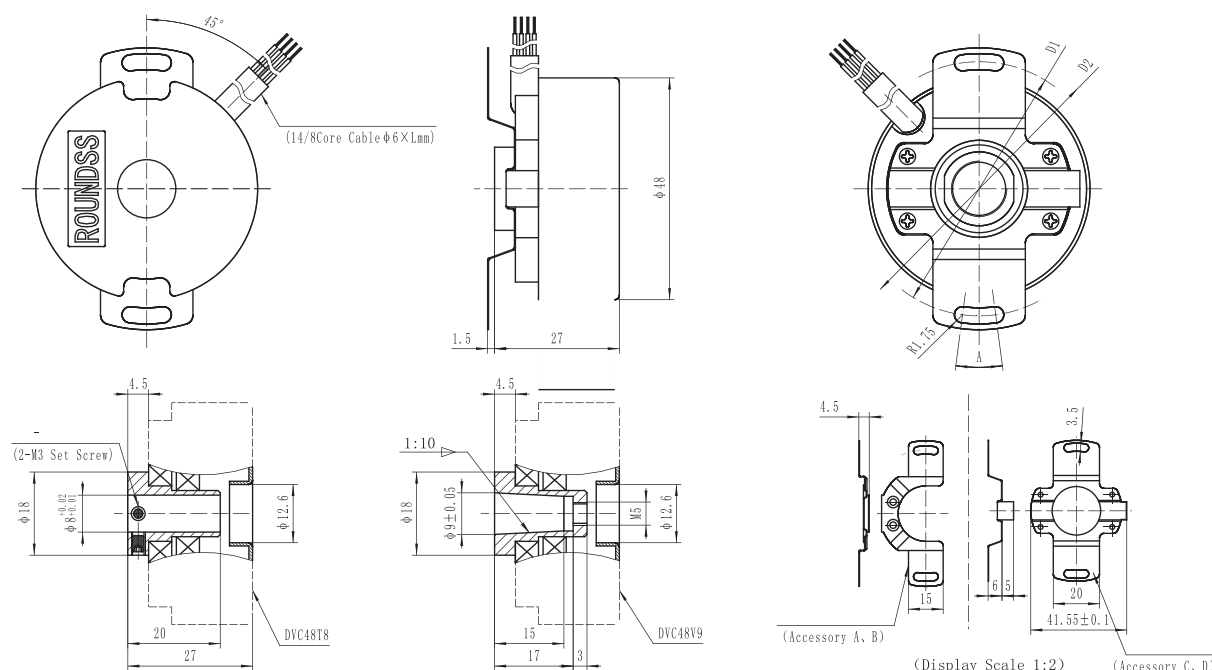
NVA 48T

Servo Motor Encoder

Single turn and multi-turn absolute encoder.
Single turn resolution to 21bit; multi-turn resolution to 32 bit.
International SSI protocol.
Compact, ultra-thin design,high precision.
Integrated optoelectronic components.
Anti-interference ability.



Mechanical Drawing



Accessory A : D1=40; D2=48; A=20°
Accessory B : D1=55; D2=63; A=15°
Accessory C : D1=40; D2=46; A=15°
Accessory D : D1=55; D2=61; A=15°

Connections

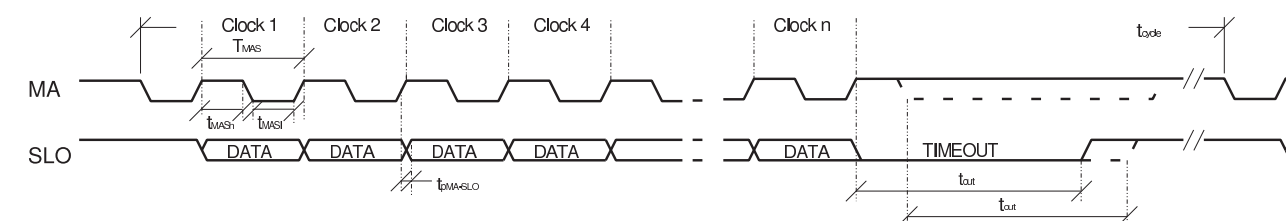
Signal	5V	0V	CLK+	CLK-	DATA+	DATA-	Shell
Color	Red	Black	Green	Brown	White	Gray	Shield

Mechanical Specifications

	Standard Type
Max. Speed	6,000rpm
Starting Torque	9.8×10N.m (100gk.cm Max)
Moment of inertia	6.5×10kg.m ² (65g.cm ² Max)
Mounting Tolerance	Radial Deviation 0.05mm TIR Max
	Axial Deviation 0.2mm Max
	Angle Deviation 0.1° Max
Shaft & Bearing failure strength	≥650N
Axial Pressure ±10N	Displacement of axis within ±0.005mm

Electrical Specifications

Absolute Resolution	Max 21bit S.T; Max 32Bit M.T
TOutput type	RS-422
Output Protocol	SSI
Supply Voltage (DC)	5V±5%
Current Consumption	≤100mA
Max. Frequency Response	300kHz
Operating Temperature	-20~+85 C
Storage Temperature	-30~+120 C
Weight	0.05kg Max
Protection Class	IP 50



Order Information

N Product Class	VA Product Type	48 Outer Diameter	V Shaft Type	9 Shaft Diameter	A Accessory	G Termination
N: High-end	Servo Motor Encoder	φ48mm	V: Taper Hole T: Straight Hole	φ8mm φ9mm	A.B.C.D	G:Dustproof Radial Cable
C Cable Length	1 Supply Voltage	S Interface	17 S.T Resolution	12 M.T Resolution		
Standard 0.3m	1: DC5V	S: SSI	Max 21 bit	Max 32bit		

E.g : NVA48V9C-G0.3M1S-17/12