Reduction ratio	Rated Volt	No Load		AT Load			STALL		Gearbox
		SPEED	CURRENT	Torque	SPEED	Current	TOGQCE	CURRENT	Length
	V	RPM	mA	KG.cm	RPM	A	KG..CM	A	mm
4.4	6	1360	100	0.1	1000	0.45	0.35	1.8	17
9.6	6	620	100	0.22	450	0.45	0.75	1.8	17
21.3	6	280	100	0.5	220	0.45	1.7	1.8	19
35	6	170	100	0.8	130	0.45	2.8	1.8	21
46	6	130	100	1	100	0.45	3.6	1.8	21
78	6	77	100	1.8	60	0.45	6.2	1.8	23
103	6	60	100	2.4	46	0.45	8.2	1.8	23
171	6	35	100	4	27	0.45	9	1.8	25
226	6	26	100	5.2	20	0.45	9	1.8	25
377	6	16	100	8.4	12	0.45	9	1.8	27
500	6	12	100	9	9	0.45	9	1.8	27
4.4	12	1360	60	0.1	1000	0.45	0.35	1.3	17
9.6	12	620	60	0.22	450	0.45	0.75	1.3	17
21.3	12	280	60	0.5	220	0.45	1.7	1.3	19
35	12	170	60	0.8	130	0.45	2.8	1.3	21
46	12	130	60	1	100	0.45	3.6	1.3	21
78	12	77	60	1.8	60	0.45	6.2	1.3	23
103	12	60	60	2.4	46	0.45	8.2	1.3	23
171	12	35	60	4	27	0.45	9	1.3	25
226	12	26	60	5.2	20	0.45	9	1.3	25
377	12	16	60	8.4	12	0.45	9	1.3	27
500	12	12	60	9	9	0.45	9	1.3	27
4.4	24	1360	40	0.1	1000	0.25	0.35	0.7	17
9.6	24	620	40	0.22	450	0.25	0.75	0.7	17
21.3	24	280	40	0.5	220	0.25	1.7	0.7	19
35	24	170	40	0.8	130	0.25	2.8	0.7	21
46	24	130	40	1	100	0.25	3.6	0.7	21
78	24	77	40	1.8	60	0.25	6.2	0.7	23
103	24	60	40	2.4	46	0.25	8.2	0.7	23
171	24	35	40	4	27	0.25	9	0.7	25
226	24	26	40	5.2	20	0.25	9	0.7	25
377	24	16	40	8.4	12	0.25	9	0.7	27
500	24	12	40	9	9	0.25	9	0.7	27
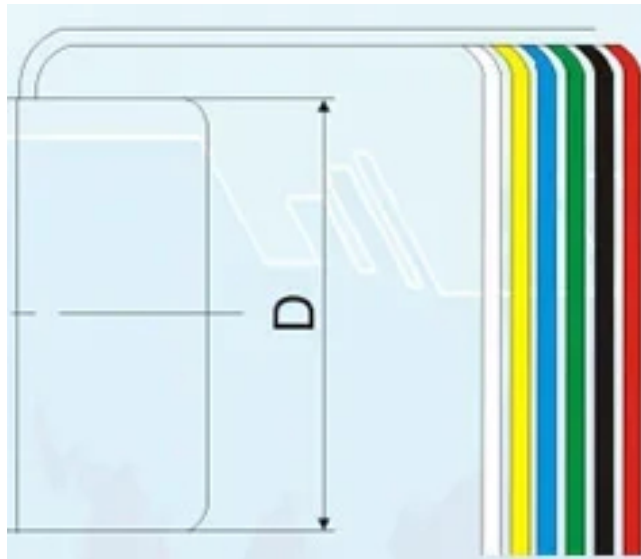
Encoder wiring diagram:

① **Red Wire** - positive power supply of motor(+)
   (change positive and negative of motor the rotation will change)
② **White Wire** - negative power supply of motor(-)
   (change positive and negative of motor the rotation will change))
③ **Yellow Wire** - signal feedback (motor one turn has 11 signals)
④ **Green Wire** - signal feedback (motor one turn has 11 signals)
⑤ **Blue Wire** - positive of encoder power supply(+)(3.3-5V),cannot be wrong
⑥ **Black Wire** - negative of encoder power supply(-)(3.3-5V),cannot be wrong