

## ETW221 Series Overview

### Description

Slip ring is a precision device can be used in any electromechanical system that transfer signal and power from a stationary to a rotating structure, and the power and all kinds of signal can combine in one slip ring.

ETW221 Ethernet slip ring with compact design, 22mm OD, 1~2 channel Ethernet, can combine with 2A signal. Gold-gold plating which ensures low BER(bit-error rate)and high signal-noise ratio.



### Specifications

Item	
Operating Speed	Max.250 RPM*
Number of Circuits	1x Ethernet + 2~26 wires
Lead Wire	CAT7, AWG28# Teflon, 300mm
Voltage	240V AC/DC
Operating Temperature	-20℃ to 60℃
Current Rating	Signal / 2A circuits
Noise	<0.01Ω
Torque	0.02N.m
Housing Material	Plastic
Protection Grade	IP51

\* Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

### Options

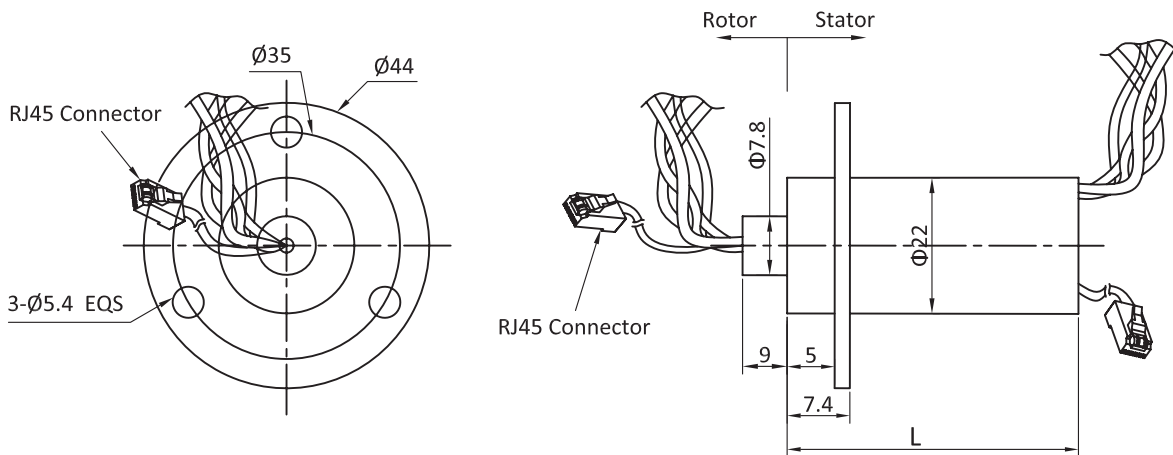
- Support mixed high speed data transmission
- Longer lead lengths are available
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- Terminal and heat-shrink tube are optional

# INTRODUCE

## ETW221

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### ETW221 Series Dimensions



**Notes:**

- 1. Drawings not actual size, dimensions are in millimeters

### Part# List

Model#	Power Circuits(5A/10A)	Signal (2A)	100/1000M Ethernet	OD(mm)	Length(mm)
ETW221-06S	-	6	1	22	35
ETW221-14S	-	14	1	22	42.5
ETW221-26S	-	26	1	22	48.4

#### Lead wire color code(From the rotor)

Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	BLK	Signal / 2A, AWG28#	7	BLU	Signal / 2A, AWG28#
2	BRN		8	VIO	
3	RED		9	GRY	
4	ORN		10	WHT	
5	YEL		11	PINK	
6	GRN		12	SOFT-BLU	

**Notes:**

12 wires for 1 group color, from 12~24 circuits would repeat the same color.