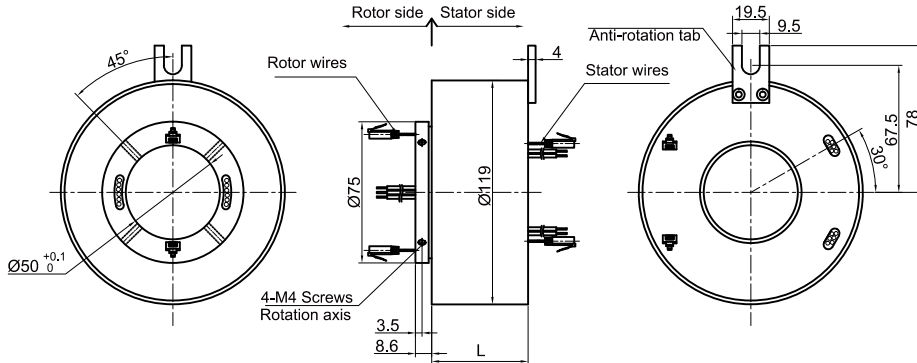


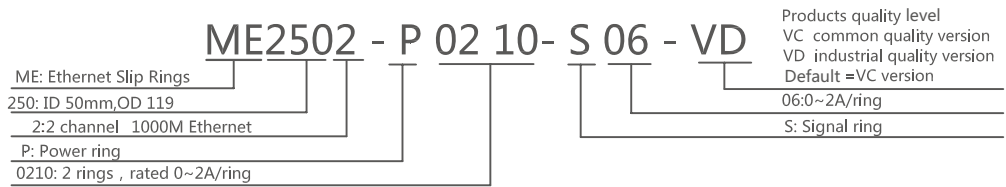
# ME2502 100M/1000M Ethernet Slip Rings

## 2 channels 1000M Ethernet+ 1~38 power and signal channel

ME2502, support 2 channels 1000M ethernet slip rings, with through bore size 50mm, overall diameter 119mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



### Part# Explanation



### Specifications

Ethernet Specification			
Parameter	Value		
1000M Ethernet	2 channel 1000M Ethernet		
Connector	RJ45		
Ber Error Rate	10E-11		
Electrical Data			
Parameter	Value		
	Power	Signal	
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC	
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC	
Lead Wires	AWG16#Teflon/PVC/Silicon	AWG22#Teflon	
Lead Length	Standard 300mm(adjustable)		
Dielectric Strength	500VAC@50Hz, 60s		
Electrical Noise	<0.01Ω		
Mechanical Data			
Parameter	Value		
Working Life	See Product Quality Level Table		
Rotating Speed	See Product Quality Level Table		
Working Temperature	-30°C~80°C		
Operating Humidity	0~85% RH		
Contact Material	See Product Quality Level Table		
Housing Material	Aluminium Alloy		
Torque	0.1N.m; +0.03N.m/6 rings		
Protection Grade	IP51		

## Part# List

ME2502 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length (mm)	Part#	1000M Ethernet	10A	20A	Signal 5A	Length (mm)
ME2502-S02	2	0	0	2	96.8	ME2502-S20	2	0	0	20	169.2
ME2502-P0210	2	2	0	0	96.8	ME2502-P0410-S16	2	4	0	16	169.2
ME2502-S08	2	0	0	8	120	ME2502-P1010-S10	2	10	0	10	169.2
ME2502-P0810	2	8	0	0	120	ME2502-P1410-S06	2	14	0	6	169.2
ME2502-P0420	2	0	4	0	120	ME2502-P2010	2	20	0	0	169.2
ME2502-P0410-S04	2	4	0	4	120	ME2502-P0610-S26	2	6	0	26	217.4
ME2502-S14	2	0	0	14	142.4	ME2502-P1210-S20	2	12	0	20	217.4
ME2502-P0610-S08	2	6	0	8	142.4	ME2502-S32	2	0	0	32	217.4
ME2502-P0410-S10	2	4	0	10	142.4	ME2502-P0610-S32	2	6	0	32	263
ME2502-P0810-S06	2	8	0	6	142.4	ME2501-P1210-S26	2	12	0	26	263
ME2502-P1410	2	14	0	0	142.4	ME2502-S38	2	0	0	38	236

Note:

- 1) N channels 10A rings parallel can be used as 1 channel N\*10A current. For example: 2 rings 10A parallel could be used as 1 wires 20A
- 2) According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	20 Million Revs	Precious Metal
VD	600RPM	80 Million Revs	Gold-plated

## Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YLW	GRN	BLU	WHT	BLK	RED	YLW	GRN	BLU	WHT

(6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe)

## Options for custom slip ring

Note: Below special demands can be customized. According, the delivery date will be extended 3 to 15 days; also the cost will be increased 30% to 50%. Most of our basic parts are standard and modular, which can save the cost and lead time.

- ① Bore diameter can be customized, cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube are optional.
- ⑤ Hybrid slip ring for Yaskawa/Panasonic/Siemens servo control signal, power line and encoder line.
- ⑥ Support mixed high speed data transmission (including Ethernet, USB, RS232, RS485, Profibus, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, EtherCAT, etc.)
- ⑦ Can combine temperature control signal with thermocouple signal.
- ⑧ Special environment can be customized, such as quakeproof, high temperature, etc.
- ⑨ Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- ⑩ High temperature can up to 500 degrees.
- ⑪ High pressure can up to 110KV
- ⑫ Rotating speed can up to 10000RPM
- ⑬ Maximum current can up to 5000 amperes.
- ⑭ Military grade
- ⑮ Optional for underwater IP65, IP68.
- ⑯ Optional for stainless steel housing

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