



Ethernet Slip Rings (Through-bore Type)



● Features

- ⊗ High-Speed Ethernet: Supports 100M/1G/10G Ethernet with stable data transmission, zero packet loss, and minimal signal degradation
- ⊗ Power & Data Combination: Includes power transfer with Ethernet data.
- ⊗ Durable & Reliable: Built to withstand harsh environments and ensure stable performance.
- ⊗ Compact Design: Space-saving and easy to integrate into various systems.
- ⊗ Customizable Options: Tailored to meet specific needs, including Ethernet quantity, other signal types, current, voltage and connector types.

● Applications:

- ⊗ Robotics
- ⊗ Rotating Machinery
- ⊗ CCTV & Surveillance
- ⊗ Aerospace & Aviation
- ⊗ Medical Equipment
- ⊗ Automated Testing Systems



● Selection table

Ethernet Slip Rings(Through-bore Type)									
Type	Model	ID (mm)	OD (mm)	Ethernet(Max. 8 channels)		Current Circuits			IP
				Ethernet Support	Ethernet Channels(set)	5A Signal	10A	15A	
LPT025	LPT025-0605-01E(2-3)	φ25.4	φ86	100M ✓ / 1G ✓	1	6			IP50~IP68
	LPT025-0610-01E(2-3)						6		
	LPT025-0615-01E(2-3)							6	
	LPT025-1205-01E(2-3)					12			
	LPT025-1210-01E(2-3)						12		
	LPT025-1215-01E(2-3)							12	
	LPT025-0605-02E(2-3)			100M ✓ / 1G ✓	2	6			
	LPT025-0610-02E(2-3)						6		
	LPT025-0615-02E(2-3)							6	
	LPT025-1205-02E(2-3)					12			
	LPT025-1210-02E(2-3)						12		
	LPT025-1215-02E(2-3)							12	
LPT038	LPT038-0605-01E(2-3)	φ38.1	φ99	100M ✓ / 1G ✓	1	6			IP50~IP68
	LPT038-0610-01E(2-3)						6		
	LPT038-0615-01E(2-3)							6	
	LPT038-1205-01E(2-3)					12			
	LPT038-1210-01E(2-3)						12		
	LPT038-1215-01E(2-3)							12	
	LPT038-0605-02E(2-3)			100M ✓ / 1G ✓	2	6			
	LPT038-0610-02E(2-3)						6		
	LPT038-0615-02E(2-3)							6	
	LPT038-1205-02E(2-3)					12			
	LPT038-1210-02E(2-3)						12		
	LPT038-1215-02E(2-3)							12	
LPT050	LPT050-0605-01E(2-3)	φ50	φ119	100M ✓ / 1G ✓	1	6			IP50~IP68
	LPT050-0610-01E(2-3)						6		
	LPT050-0615-01E(2-3)							6	
	LPT050-1205-01E(2-3)					12			
	LPT050-1210-01E(2-3)						12		
	LPT050-1215-01E(2-3)							12	
	LPT050-0605-02E(2-3)			100M ✓ / 1G ✓	2	6			
	LPT050-0610-02E(2-3)						6		
	LPT050-0615-02E(2-3)							6	
	LPT050-1205-02E(2-3)					12			
	LPT050-1210-02E(2-3)						12		
	LPT050-1215-02E(2-3)							12	
LPT060	LPT060-0605-01E(2-3)	φ60	φ135	100M ✓ / 1G ✓	1	6			IP50~IP68
	LPT060-0610-01E(2-3)						6		
	LPT060-0615-01E(2-3)							6	
	LPT060-1205-01E(2-3)					12			
	LPT060-1210-01E(2-3)						12		
	LPT060-1215-01E(2-3)							12	
	LPT060-0605-02E(2-3)			100M ✓ / 1G ✓	2	6			
	LPT060-0610-02E(2-3)						6		
	LPT060-0615-02E(2-3)							6	
	LPT060-1205-02E(2-3)					12			
	LPT060-1210-02E(2-3)						12		
	LPT060-1215-02E(2-3)							12	

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Type	Model	ID (mm)	OD (mm)	Ethernet(Max. 8 channels)		Current Circuits			IP
				Ethernet Support	Ethernet Channels(set)	5A Signal	10A	15A	
LPT070	LPT070-0605-01E(2-3)	φ70	φ135	100M ✓ / 1G ✓	1	6			IP50~IP68
	LPT070-0610-01E(2-3)						6		
	LPT070-0615-01E(2-3)							6	
	LPT070-1205-01E(2-3)					12			
	LPT070-1210-01E(2-3)						12		
	LPT070-1215-01E(2-3)							12	
	LPT070-0605-02E(2-3)			100M ✓ / 1G ✓	2	6			
	LPT070-0610-02E(2-3)						6		
	LPT070-0615-02E(2-3)							6	
	LPT070-1205-02E(2-3)					12			
	LPT070-1210-02E(2-3)						12		
	LPT070-1215-02E(2-3)							12	
LPT080	LPT080-0605-01E(2-3)	φ80	φ160	100M ✓ / 1G ✓	1	6			IP50~IP68
	LPT080-0610-01E(2-3)						6		
	LPT080-0615-01E(2-3)							6	
	LPT080-1205-01E(2-3)					12			
	LPT080-1210-01E(2-3)						12		
	LPT080-1215-01E(2-3)							12	
	LPT080-0605-02E(2-3)			100M ✓ / 1G ✓	2	6			
	LPT080-0610-02E(2-3)						6		
	LPT080-0615-02E(2-3)							6	
	LPT080-1205-02E(2-3)					12			
	LPT080-1210-02E(2-3)						12		
	LPT080-1215-02E(2-3)							12	
LPT096	LPT096-0605-01E(2-3)	φ96	φ185	100M ✓ / 1G ✓	1	6			IP50~IP68
	LPT096-0610-01E(2-3)						6		
	LPT096-0615-01E(2-3)							6	
	LPT096-1205-01E(2-3)					12			
	LPT096-1210-01E(2-3)						12		
	LPT096-1215-01E(2-3)							12	
	LPT096-0605-02E(2-3)			100M ✓ / 1G ✓	2	6			
	LPT096-0610-02E(2-3)						6		
	LPT096-0615-02E(2-3)							6	
	LPT096-1205-02E(2-3)					12			
	LPT096-1210-02E(2-3)						12		
	LPT096-1215-02E(2-3)							12	

- Model numbers decode key specs: For example, "LPT096-1215-02E(2-3)" breaks down as LPT (Through-bore type), 096mm inner diameter, 12 circuits at 15A, and 2 Ethernet channels (E4=10G; E2=100M, E3=1G).

● Customization options

Note: The following special requirements can be customized,

JINPAT most of the basic accessories are standardized, modular, non-standard customization can also greatly reduce the cost and delivery time.

- 1、 Customized rotor and stator outlet and outlet length
- 2、 Due to structural limitations, can be customized in accordance with the specified length or height or external diameter
- 3、 Yasukawa, Panasonic, Siemens and other servo system signals, power lines, and encoder lines mixed slip ring
- 4、 Mixed high-speed data transmission (including Ethernet, USB, RS232, RS485, Profibus, CanBUS, CANOPEN DeviceNET, CANBUS, CANPUS). CANOPEN, DeviceNET, CC-LINK, ProPNET, EtherCAT and other types of industrial lines).
- 5、 Anti-shock, high temperature and other special environment customization
- 6、 Can be mixed with pneumatic, hydraulic rotary joints integrated pneumatic-electrical-hydraulic slip ring
- 7、 Military grade
- 8、 Waterproof, underwater mode optional, IP65,IP68 optional