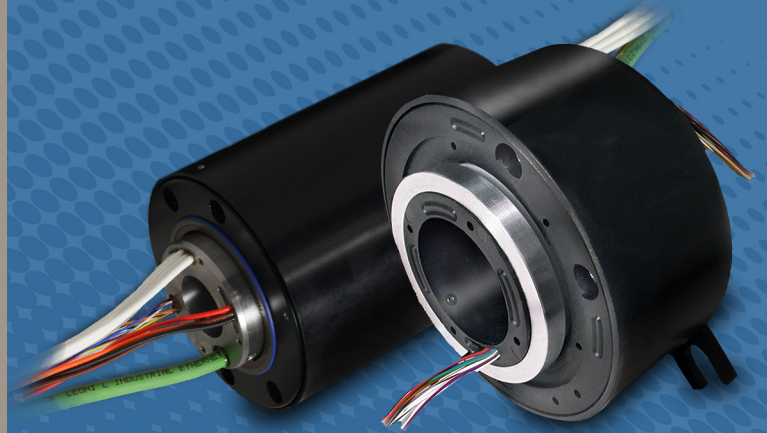# SLIP RINGS WITH THROUGH-BORE OPTIONS

FOR AC4598, AC6200, AC6419, AC7296, AC6428 and AC6429

A slip ring can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring power and / or data from a stationary to a rotating structure. A slip ring is also called a rotary electrical interface, commutator, collector, swivel or an electrical rotary joint.
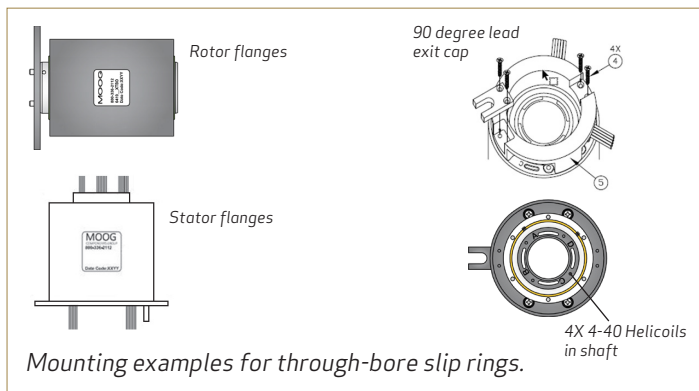
Several slip ring product series have been developed from a set of standard building blocks. All of the above series use the same internal rings and brushes, but offer a variety of circuit combinations, bore sizes and lengths.

SLIP RING SPECIFICATION RANGES	
Power	‹1 A to 50 A
Voltage	Up to 3,000 VAC
Bore Size	1.0 to 1.5 inches
Length	2.3 to 10.5 inches
Circuits	1 to 120
Wire AWG	12 to 28 AWG

Cabling

Multiple cable types can be created manually by twisting wires, adding braided shields and heat shrink tubing. Manufactured cables can be included on some designs limited by the cable diameter. Cables with molded connectors are viable but may require mating harnesses. Examples include, but are not limited to, twisted shielded pairs, thermocouples, coax, LAN cables, multi-conductor power cables.

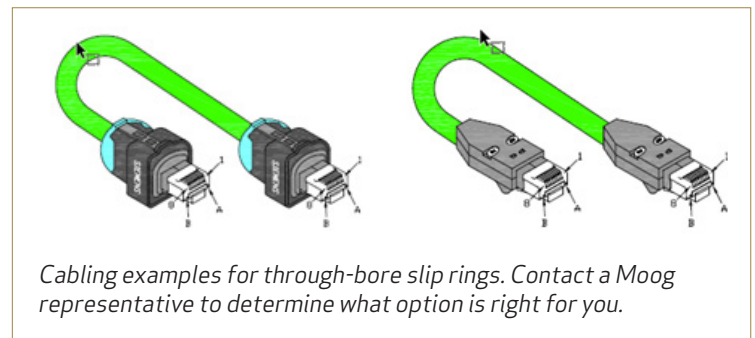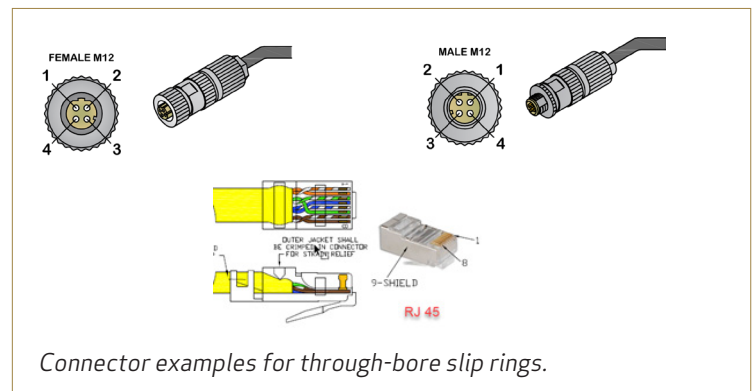*Cabling examples for through-bore slip rings. Contact a Moog representative to determine what option is right for you.*

OPTIONS

Mounting

Rotor and stator flanges, threaded mounting holes on metal components, helicoils inserted on plastic components.

Rotor flanges

90 degree lead exit cap

Stator flanges

4X 4-40 Helicoils in shaft

Mounting examples for through-bore slip rings.

Connectors

RJ-45s are standard on all Ethernet configurations. M12s are available for 100_T Ethernet. BNC is available for coax. Any field installable connectors that require no tooling can be considered, but must be specified by customer.

FEMALE M12

MALE M12

OUTER JACKET SHALL BE CRIMPED IN CONNECTOR FOR STRAIN RELIEF

9-SHIELD

RJ 45

Connector examples for through-bore slip rings.

MOOG

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For product information, visit
www.moog.com

This technical data is based on current available information and is subject to change at any time. Specifications for specific systems or applications may vary.

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