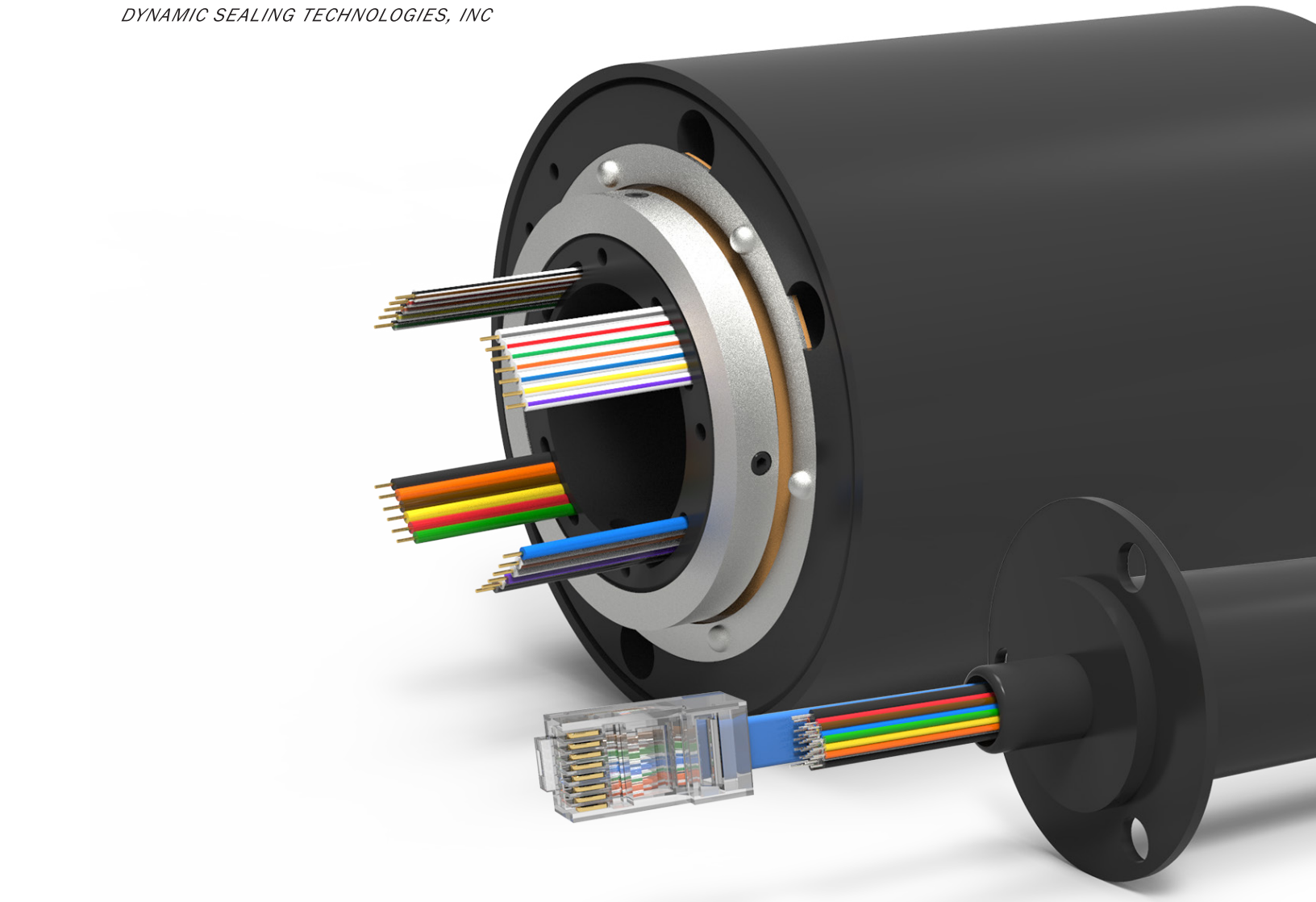
DSTI

DYNAMIC SEALING TECHNOLOGIES, INC



Capsule, Thru-Bore & Ethernet Options

Electrical Slip Rings

SERIES OPTIONS

ES | ESE | ESM | EST | ESET

ISO 9001:2015

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Contents

About DSTI

Dynamic Sealing Technologies, Inc. (DSTI) serves a wide range of global industries as a leader in engineered fluid sealing and transfer solutions for rotating applications.

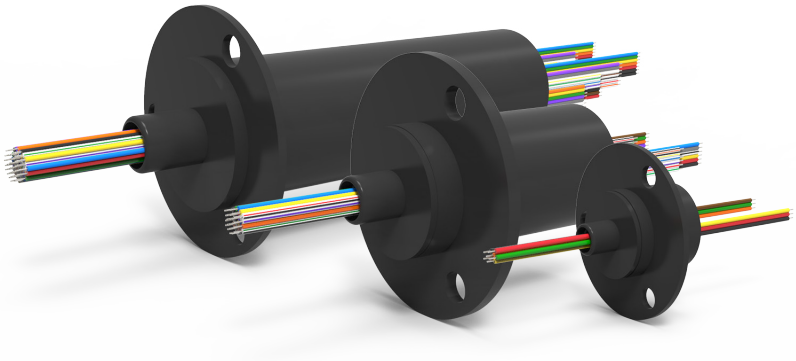
DSTI core business segments are fluid rotary unions, electrical slip rings, and value-added products and services—providing customers with a single-source solution from design and manufacturing through to testing and qualification—all under one roof. Located in North America and Europe with a team of distribution partners and technical support specialists worldwide.

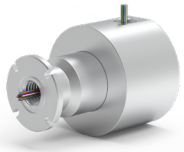
Learn more at **www.dsti.com**

DID YOU KNOW?
DSTI Exports Products to Over 70 Countries.

ES Series: Overview

- High-Quality Gold-on-Gold Contacts
- Compact Capsule Design
- Splash Seals for Dust and Moisture
- Low Torque Design
- Suitable for Analog or Digital Signals
- Low Electrical Noise
- Precision Ball Bearings
- Data Speeds Under 50 Megabits / Sec.[1]
- Compatible With a Range of Data Bus Protocols





IP65 PROTECTIVE ENCLOSURE

Ultimate protection for your slip ring against water, dust & damage.

Learn More On Page 29

The ES Series electrical slip ring is a rotating assembly used to transfer signals, control circuits and data (analog / digital) from stationary inlets to rotating outlets.

Versatile and compact, the ES Series electrical slip rings feature a low torque design with gold-on-gold contacts and offer low electrical noise. The ES Series also includes flexible, color-coded lead wires suitable for transferring analog and digital signals. Standard models are available from 6 to 56 circuits.

PRODUCT DOWNLOADS

For Catalogs, Brochures, Models and Drawings visit www.dsti.com/downloads

DID YOU KNOW?

DSTI slip rings can be purchased online at store.dsti.com

SPECIFICATIONS	
Operating Speed (max.)	75 / 100 / 250 RPM Continuous[2]
Data Speed (max.)	Under 50 Mbps (non-Ethernet)[1]
Standard Circuit Options	6, 12, 18, 24, 36, 56
Voltage [AC/DC] (max.)	120 / 240[3]
Amps	2
Lead Gauge (AWG)	28, 26
Wire Material	Silver-Plated Copper
Electrical Noise (max.)	60 Milliohms
Contact Material	Gold
Housing Material	Engineered Plastics / Aluminum Alloy[4]
Temperature Range	-40°F to 176°F (-40°C to +80°C)

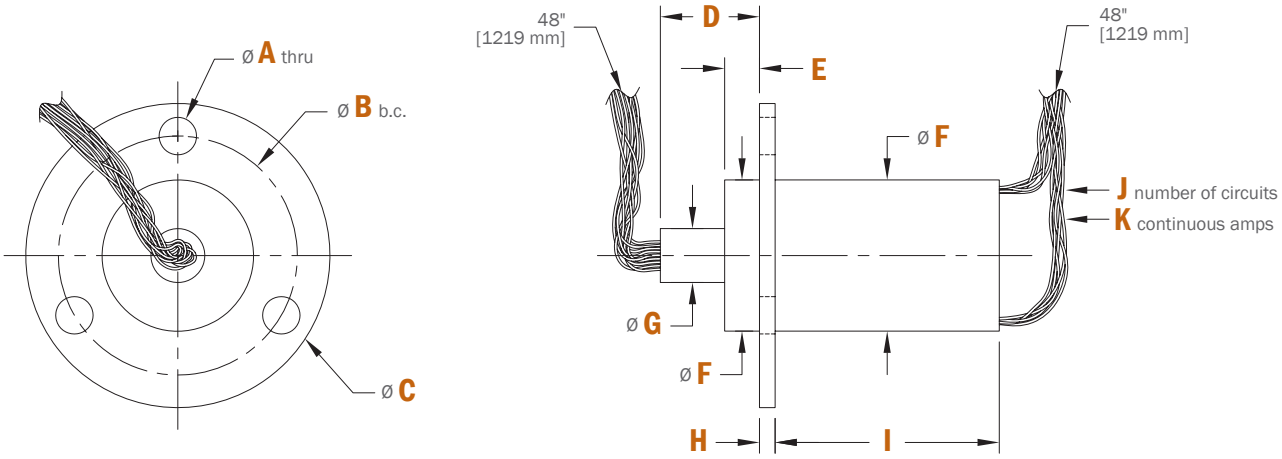
[1] In order to successfully transfer digital data signals, a variety of conditions must be met. Please consult with DSTI for approval. For the most reliable transfer of digital data signals, see our Ethernet slip ring options.

[2] 75 RPM is the maximum operating speed for models ES6A-L and ES12A-L. 100 RPM is the maximum operating speed for models ES6A, ES12A and all models with "-L" suffix (excluding ES6A-L and ES12A-L).

[3] 120V is the maximum voltage for models ES6A, ES12A and models with "-L" suffix.

[4] Aluminum alloy is the housing material for models ES36-L and ES56-L.

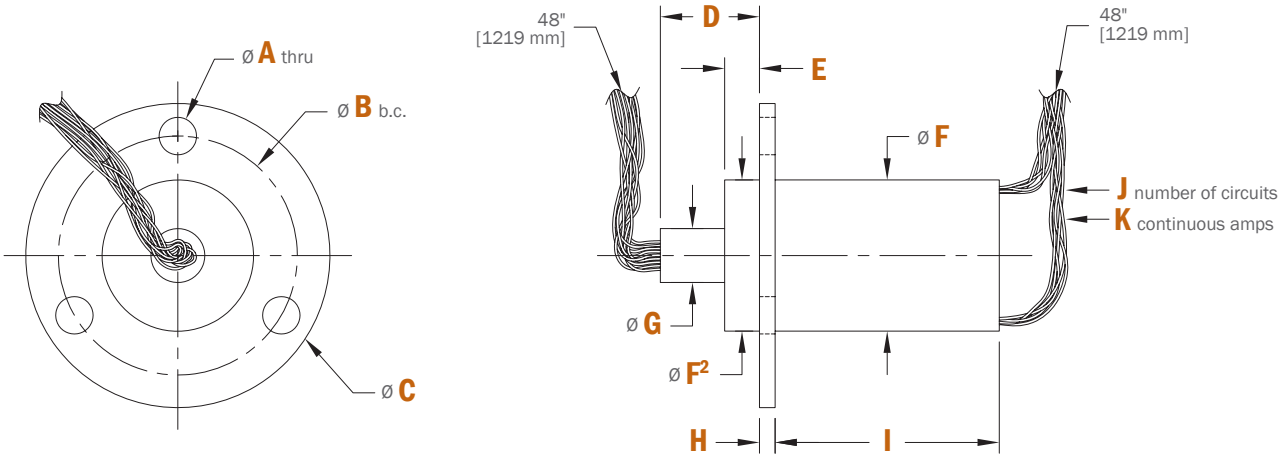
ES Series: Dimensions



	ES6A	ES6A-L	ES6	ES6-L
A	.129″ [3.28mm]	.098" [2.5mm]	.217″ [5.50mm]	.217" [5.50mm]
B	.725″ [18.42mm]	.709" [18mm]	1.375″ [34.93mm]	1.378" [35mm]
C	.950" [24.13mm]	.945" [24mm]	1.750" [44.45mm]	1.732" [44mm]
D	.470″ [11.94mm]	.307" [7.8mm]	.570″ [14.48mm]	.551" [14mm]
E	.200″ [5.08mm]	.197" [5mm]	.200″ [5.08mm]	.197" [5mm]
F	.500″ [12.70mm]	.488" [12.4mm]	.870″ [22.10mm]	.866" [22mm]
G	.190″ [4.83mm]	.150" [3.8mm]	.31″ [7.87mm]	.307" [7.8mm]
H	.040″ [1.02mm]	.049" [1.25mm]	.310″ [2.36mm]	.094" [2.4mm]
I	.340″ [8.64mm]	.305"[7.75mm]	.480″ [12.19mm]	.457" [11.6mm]
J	6 Circuits	6 Circuits	6 Circuits	6 Circuits
K	2 Amps	2 Amps	2 Amps	2 Amps

	ES12A	ES12A-L	ES12	ES12-L
A	.129″ [3.28mm]	.098" [2.5mm]	.217″ [5.50mm]	.217" [5.5mm]
B	.725″ [18.42mm]	.709" [18mm]	1.375″ [34.93mm]	1.378" [35mm]
C	.950" [24.13mm]	.945" [24mm]	1.750" [44.45mm]	1.732" [44mm]
D	.470″ [11.94mm]	.307" [7.8mm]	.570″ [14.48mm]	.551" [14mm]
E	.200″ [5.08mm]	.197" [5mm]	.200″ [5.08mm]	.197" [5mm]
F	.500″ [12.70mm]	.488" [12.4mm]	.870″ [22.10mm]	.866" [22mm]
G	.190″ [4.83mm]	.150" [3.8mm]	.310″ [7.87mm]	.307" [7.8mm]
H	.040″ [1.02mm]	.049" [1.25mm]	.093″ [2.36mm]	.094" [2.4mm]
I	.590″ [14.99mm]	.522" [13.25mm]	.750″ [19.05mm]	.811" [20.6mm]
J	12 Circuits	12 Circuits	12 Circuits	12 Circuts
K	2 Amps	2 Amps	2 Amps	2 Amps

ES Series: Dimensions

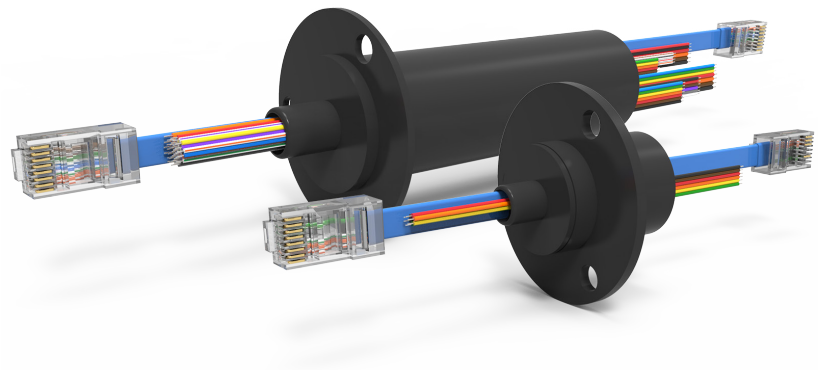


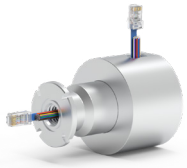
	ES18	ES18-L	ES24	ES24-L
A	.217″ [5.50mm]	.217" [5.5mm]	.217″ [5.50mm]	.217" [5.5mm]
B	1.375″ [34.93mm]	1.378" [35mm]	1.375″ [34.93mm]	1.378" [35mm]
C	1.750" [44.45mm]	1.732" [44mm]	1.750" [44.45mm]	1.732" [44mm]
D	.570″ [14.48mm]	.551" [14mm]	.570″ [14.48mm]	.551" [14mm]
E	.200″ [5.08mm]	.197" [5mm]	.200″ [5.08mm]	.197" [5mm]
F	.870″ [22.10mm]	.866" [22mm]	.870″ [22.10mm]	.866" [22mm]
G	.310″ [7.87mm]	.307" [7.8mm]	.310″ [7.87mm]	.307" [7.8mm]
H	.092″ [2.36mm]	.094" [2.4mm]	.092″ [2.36mm]	.094" [2.4mm]
I	1.020″ [25.91mm]	1.024" [26mm]	1.290″ [32.77mm]	1.331" [33.8mm]
J	18 Circuits	18 Circuts	24 Circuts	24 Circuts
K	2 Amps	2 Amps	2 Amps	2 Amps

	ES36	ES36-L	ES56	ES56-L
A	.220″ [5.60mm]	.217" [5.5mm]	.220″ [5.60mm]	.217" [5.5mm]
B	1.410″ [35.81mm]	1.378" [35mm]	1.410″ [35.81mm]	1.378" [35mm]
C	1.750" [44.45mm]	1.732" [44mm]	1.750" [44.45mm]	1.732" [44mm]
D	.480″ [12.19mm]	.472" [12mm]	.48″ [12.19mm]	.472" [12mm]
E	.174" [4.42mm]	.118" [3mm]	.174" [4.42mm]	.118" [3mm]
F	1.00″ [25.40mm]	.984" [25mm]	1.00″ [25.40mm]	.984" [25mm]
F²	1.06" [4.42mm]	.984" [25mm]	1.06" [27mm]	.984" [25mm]
G	.375″ [9.53mm]	.386" [9.8mm]	.375″ [9.53mm]	.386" [9.8mm]
H	.059″ [1.50mm]	.079" [2mm]	.059″ [1.50mm]	.079" [2mm]
I	2.06″ [75.30mm]	2.146" [54.5mm]	2.96″ [75.30mm]	3.169" [80.5mm]
J	36 Circuits	36 Circuts	56 Circuts	56 Circuts
K	2 Amps	2 Amps	2 Amps	2 Amps

ESE Series: Overview

- High-Quality Gold-on-Gold Contacts
- Compact Capsule Design
- Splash Seals for Dust and Moisture
- Fully Compliant With IEEE 802.3 Formats
- 100Base-T / 1000Base-T Ethernet Cable
- T568B Wiring Terminated With RJ45 Connectors
- Transfers Analog and Digital Signals
- Low Electrical Noise
- Compatible With a Range of Data Bus Protocols
- Coaxial Options Available With RG178 / RG179 Circuits





IP65 PROTECTIVE ENCLOSURE

Ultimate protection for your slip ring against water, dust & damage.

Learn More On Page 29

The ESE Series Ethernet slip ring is a rotating assembly used to transfer power, control circuits or data (analog / digital) from stationary inlets to rotating outlets.

ESE Series slip rings provide 100Base-T or 1000Base-T Ethernet connections with a combination of 2, 5, and 10 amp power connections. Utilizing high performance gold-on-gold contacts, the ESE Series features low electrical noise and Ethernet cables terminated with RJ45 connectors. Standard models are available from 8 to 51 circuits.

SPECIFICATIONS	
Operating Speed (max.)	250 RPM Continuous
Data Speed (max.)	100 Mbps, 1 Gbps
Standard Circuit Options	8, 10, 12, 14, 18, 41, 43, 45, 47, 51
Voltage [AC/DC] (max.)	240
Amps	1, 2, 5, 10
Lead Gauge (AWG)	28, 26, 20, 16
Wire Material	Silver-Plated Copper
Electrical Noise (max.)	60 Milliohms
Contact Material	Gold
Temperature Range	-40°F to 176°F (-40°C to +80°C)

PRODUCT DOWNLOADS

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DID YOU KNOW?

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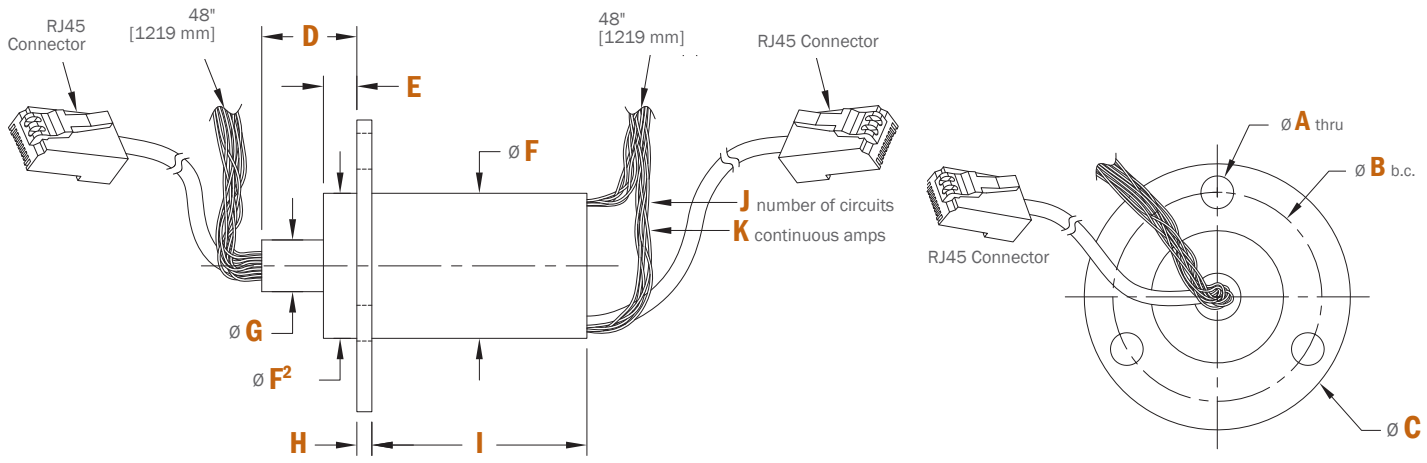
ESE Series: Dimensions



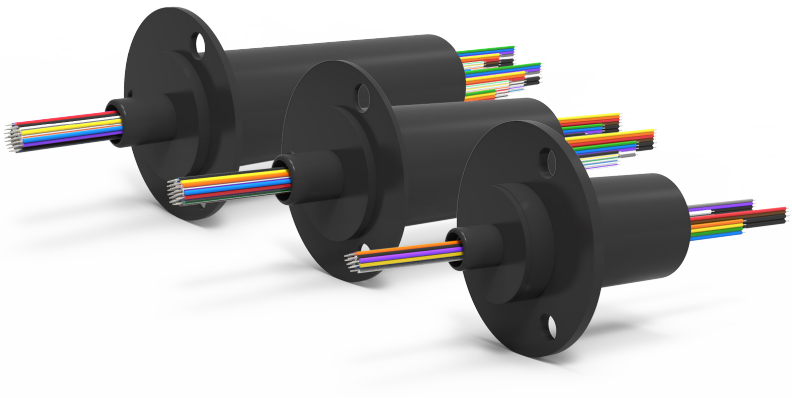
	ESE64	ESE264	ESE224	ESE2124	ESE284
A	.215" [5.46mm]	.215" [5.46mm]	.215" [5.46mm]	.215" [5.46mm]	.215" [5.46mm]
B	1.375" [34.93mm]	1.375" [34.93mm]	1.375" [34.93mm]	1.375" [34.93mm]	1.375" [34.93mm]
C	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]
D	.57" [14.40mm]	.57" [14.48mm]	.57" [14.48mm]	.57" [14.48mm]	.57" [14.48mm]
E	.25 " [6.35mm]	.25 " [6.35mm]	.25 " [6.35mm]	.25 " [6.35mm]	.25 " [6.35mm]
F	.87" [22.1mm]	.87" [22.10mm]	.87" [22.10mm]	.87" [22.10mm]	.87" [22.10mm]
G	.31" [7.87mm]	.31" [7.87mm]	.31" [7.87mm]	.31" [7.87mm]	.31" [7.87mm]
H	.09" [2.4mm]	.09" [2.36mm]	.09" [2.36mm]	.09" [2.36mm]	.09" [2.36mm]
I	.75" [19.05mm]	1.02" [25.91mm]	1.02" [25.91mm]	1.29" [32.77mm]	1.29" [32.77mm]
J	10 Circuits	12 Circuits	8 Circuits	18 Circuits	14 Circuits
K	(6x) 2 Amps (1x) 100Base-T*	(2x) 5 Amps (6x) 2 Amps (1x) 100Base-T*	(2x) 10 Amps (2x) 2 Amps (1x) 100Base-T*	(2x) 5 Amps (12x) 2 Amps (1x) 100Base-T*	(2x) 10 Amps (8x) 2 Amps (1x) 100Base-T*

	ESE438	ESE4358	ESE2358	ESE8278	ESE24278
A	.220" [5.58mm]	.220" [5.58mm]	.220" [5.58mm]	.220" [5.58mm]	.220" [5.58mm]
B	1.410" [35.80mm]	1.410" [35.80mm]	1.410" [35.80mm]	1.410" [35.80mm]	1.410" [35.80mm]
C	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]
D	.48" [12.19mm]	.48" [12.19mm]	.48" [12.19mm]	.48" [12.19mm]	.48" [12.19mm]
E	.174" [4.42mm]	.174" [4.42mm]	.174" [4.42mm]	.174" [4.42mm]	.174" [4.42mm]
F	1.00" [25.40mm]	1.00" [25.40mm]	1.00" [25.40mm]	1.00" [25.40mm]	1.00" [25.40mm]
F²	1.06" [27mm]	1.06" [27mm]	1.06" [27mm]	1.06" [27mm]	1.06" [27mm]
G	.38" [9.52mm]	.38" [9.52mm]	.38" [9.52mm]	.38" [9.52mm]	.38" [9.52mm]
H	.06" [1.9mm]	.06" [1.9mm]	.06" [1.9mm]	.06" [1.9mm]	.06" [1.9mm]
I	2.96" [75.3mm]	2.96" [75.3mm]	2.96" [75.3mm]	2.96" [75.3mm]	2.96" [75.3mm]
J	51 Circuits	47 Circuits	45 Circuits	43 Circuits	41 Circuits
K	(43x) 2 Amps (1x) 1000Base-T*	(4x) 5 Amps (35x) 2 Amps (1x) 1000Base-T*	(2x) 10 Amps (35x) 2 Amps (1x) 1000Base-T*	(8x) 5 Amps (27x) 2 Amps (1x) 1000Base-T*	(2x) 10 Amps (4x) 5 Amps (27x) 2 Amps (1x) 1000Base-T*

*100BaseT & 1000BaseT (28 gauge / twisted pair) Ethernet circuits can also be used for other data/signal types

ESM Series: Overview

- High-Quality Gold on Gold Contacts
- Splash Seals for Dust and Moisture
- Transfers Analog and Digital Signals
- Low Electrical Noise
- Precision Ball Bearings
- Data Speeds Under 50 Megabits / Sec.[1]
- Compatible With a Range of Data Bus Protocols



The ESM Series electrical slip ring is a rotating assembly used to transfer power, control circuits or data (analog / digital) from stationary inlets to rotating outlets.

ESM Series slip rings include flexible, color-coded lead wires suitable for transferring analog and digital signals. Utilizing high performance gold-on-gold contacts, the ESM Series features low electrical noise and supports data speeds up to 50 megabits / second. Standard models are available from 9 to 52 circuits.

IP65 PROTECTIVE ENCLOSURE

Ultimate protection for your slip ring against water, dust & damage.

Learn More On Page 29

SPECIFICATIONS	
Operating Speed (max.)	250 RPM Continuous
Data Speed (max.)	Under 50 Mpbs (non-Ethernet)[1]
Standard Circuit Options	9, 15, 24, 32, 44, 52
Voltage [AC/DC] (max.)	240
Amps	2, 5, 10
Lead Gauge (AWG)	26, 20, 16
Wire Material	Silver-Plated Copper
Electrical Noise (max.)	60 Milliohms
Contact Material	Gold
Temperature Range	-40°F to 176°F (-40°C to +80°C)

[1] In order to successfully transfer digital data signals, a variety of conditions must be met. Please consult with DSTI for approval. For the most reliable transfer of digital data signals, see our Ethernet slip ring options.

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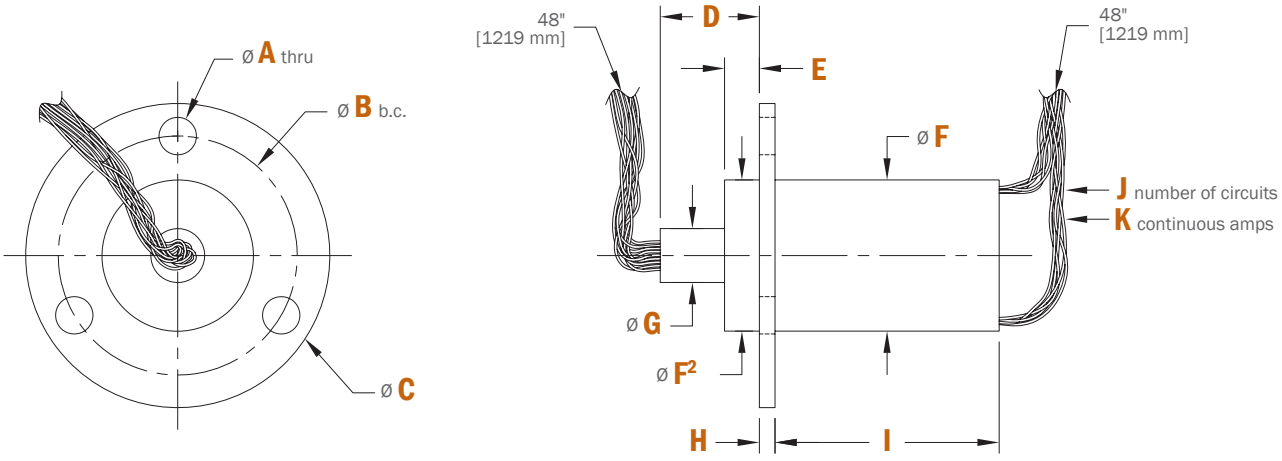
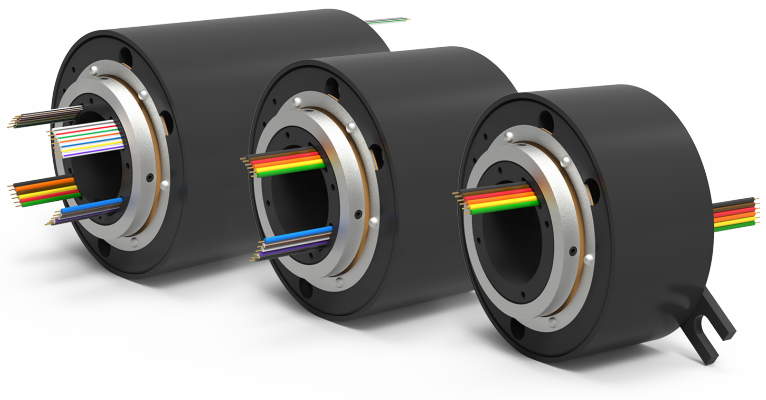
ESM Series: Dimensions



	ESM36	ESM312	ESM420	ESM428	ESM440	ESM448
A	.215" [5.50mm]	.215" [5.50mm]	.220" [5.60mm]	.220" [5.60mm]	.220" [5.60mm]	.220" [5.60mm]
B	1.375" [34.93mm]	1.375" [34.93mm]	1.410" [35.80mm]	1.410" [35.80mm]	1.410" [35.80mm]	1.410" [35.80mm]
C	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]	1.75" [44.45mm]
D	.57" [14.48mm]	.57" [14.48mm]	.48" [12.19mm]	.48" [12.19mm]	.48" [12.19mm]	.48" [12.19mm]
E	.20" [5.08mm]	.20" [5.08mm]	.174" [4.42mm]	.174" [4.42mm]	.174" [4.42mm]	.174" [4.42mm]
F	.87" [22.10mm]	.87" [22.10mm]	1.00" [25.40mm]	1.00" [25.40mm]	1.00" [25.40mm]	1.00" [25.40mm]
F²	.87" [22.10mm]	.87" [22.10mm]	1.06" [27mm]	1.06" [27mm]	1.06" [27mm]	1.06" [27mm]
G	.31" [7.87mm]	.31" [7.87mm]	.38" [9.53mm]	.38" [9.53mm]	.38" [9.53mm]	.38" [9.53mm]
H	.09" [2.36mm]	.09" [2.36mm]	.06" [1.50mm]	.06" [1.50mm]	.06" [1.50mm]	.06" [1.50mm]
I	1.28" [32.56mm]	1.28" [32.56mm]	2.06" [52.40mm]	2.06" [52.40mm]	2.96" [75.30mm]	2.96" [75.30mm]
J	9 Circuits	15 Circuits	24 Circuits	32 Circuits	44 Circuits	52 Circuits
K	(3x) 10 Amps (6x) 2 Amps	(3x) 5 Amps (12x) 2 Amps	(4x) 10 Amps (20x) 2 Amps	(4x) 5 Amps (28x) 2 Amps	(4x) 10 Amps (40x) 2 Amps	(4x) 5 Amps (48x) 2 Amps

EST Series: Overview

- 1.5″ Inch Thru-bore for Shaft Mounting
- Splash Seals for Dust and Moisture
- Unique Fiber Brush Contact Technology
- Low Contact Force per Fiber
- Transfers Analog and Digital Signals
- Low Electrical Noise
- Data Speeds Under 50 Megabits / Sec.[1]
- Compatible With a Range of Data Bus Protocols



The EST Series electrical through bore slip ring is a rotating assembly used to transfer power, control circuits or data (analog / digital) from stationary inlets to rotating outlets.

EST Series slip rings feature a 1.5 inch [38.1 mm] through bore for shaft mounting and incorporate low-wear, fiber brush contacts that do not require lubrication producing virtually no wear debris. Standard models are available from 6 to 24 circuits.

SPECIFICATIONS	
Operating Speed (max.)	250 RPM Continuous
Data Speed (max.)	Under 50 Mpbs (non-Ethernet)[1]
Standard Circuit Options	6, 12, 18, 24
Voltage [AC/DC] (max.)	600
Amps	10
Lead Gauge (AWG)	16
Wire Material	Tin-Plated Copper
Electrical Noise (max.)	100 Milliohms
Contact Material	Silver
Temperature Range	-40°F to 176°F (-40°C to +80°C)

[1] In order to successfully transfer digital data signals, a variety of conditions must be met. Please consult with DSTI for approval. For the most reliable transfer of digital data signals, see our Ethernet slip ring options.

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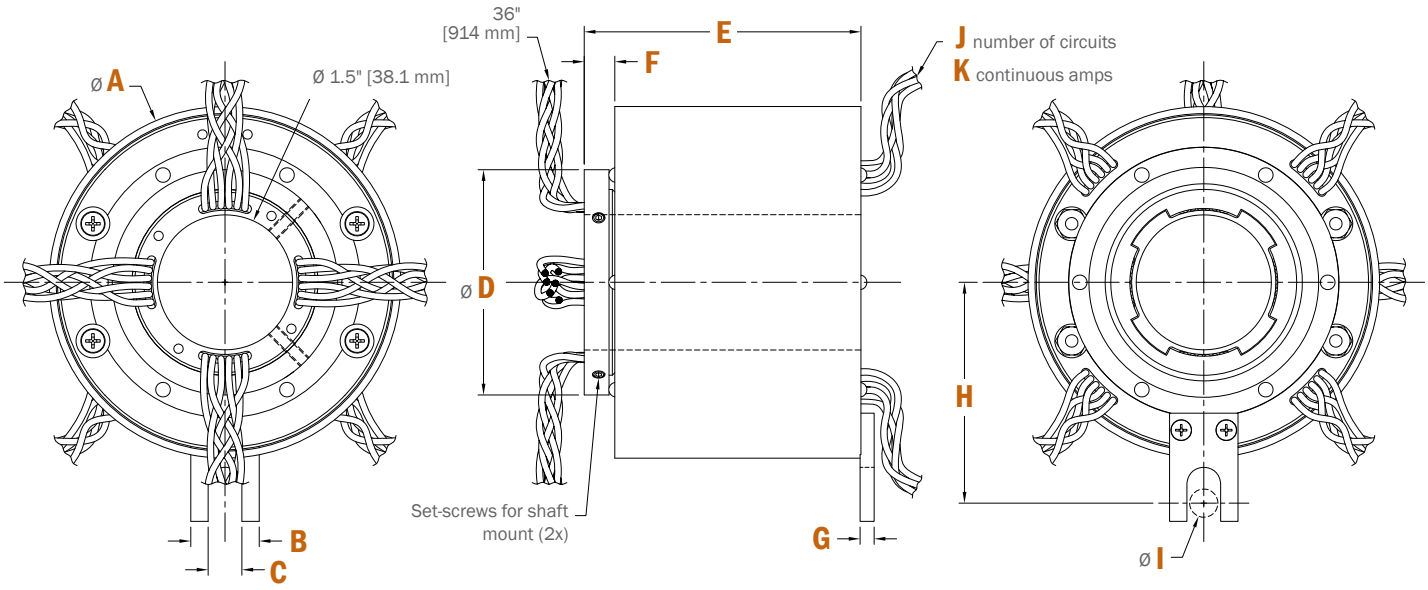
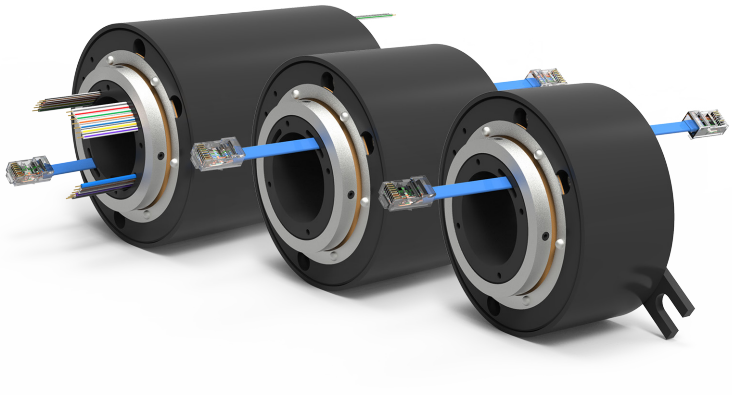
EST Series: Dimensions



	EST6	EST12	EST18	EST24
A	3.90″ [99.06mm]	3.90″ [99.06mm]	3.90″ [99.06mm]	3.90″ [99.06mm]
B	.76″ [19.30 mm]	.76″ [19.30 mm]	.76″ [19.30 mm]	.76″ [19.30 mm]
C	.375″ [9.53mm]	.375″ [9.53mm]	.375″ [9.53mm]	.375″ [9.53mm]
D	2.5″ [63.50mm]	2.5″ [63.50mm]	2.5″ [63.50mm]	2.5″ [63.50mm]
E	2.13″ [54.10mm]	3.07″ [77.98mm]	4.01″ [101.85mm]	4.94″ [125.48mm]
F	.34″ [8.64mm]	.34″ [8.64mm]	.34″ [8.64mm]	.34″ [8.64mm]
G	.15″ [3.81mm]	.15″ [3.81mm]	.15″ [3.81mm]	.15″ [3.81mm]
H	2.45″ [62.23mm]	2.45″ [62.23mm]	2.45″ [62.23mm]	2.45″ [62.23mm]
I	.313″ [7.95mm]	.313″ [7.95mm]	.313″ [7.95mm]	.313″ [7.95mm]
J	6 Circuits	12 Circuits	18 Circuits	24 Circuits
K	10 Amps	10 Amps	10 Amps	10 Amps

ESET Series: Overview

- 100Base-T / 1000Base-T Ethernet Cables Available
- Splash Seals for Dust and Moisture
- T568B Wiring Terminated With RJ45 Connectors
- 1.5″ Inch Thru-bore for Shaft Mounting
- Fully Compliant With IEEE 802.3 Formats
- Unique Fiber Brush Contact Technology
- Low Contact Force per Fiber
- Compatible With a Range of Data Bus Protocols



The ESET Series Ethernet thru-bore slip ring is a rotating assembly used to transfer power, control circuits, or data (analog / digital) from stationary inlets to rotating outlets.

ESET Series slip rings feature a 1.5 inch thru-bore for shaft mounting and provide 100Base-T or 1000Base-T Ethernet connections terminated with RJ45 connectors. The ESET Series incorporates low-wear, fiber brush contacts that do not require lubrication. Standard models are available in 4, 8, 14, 20 and 22 circuits.

PRODUCT DOWNLOADS

For Catalogs, Brochures, Models and Drawings visit **www.dsti.com/downloads**

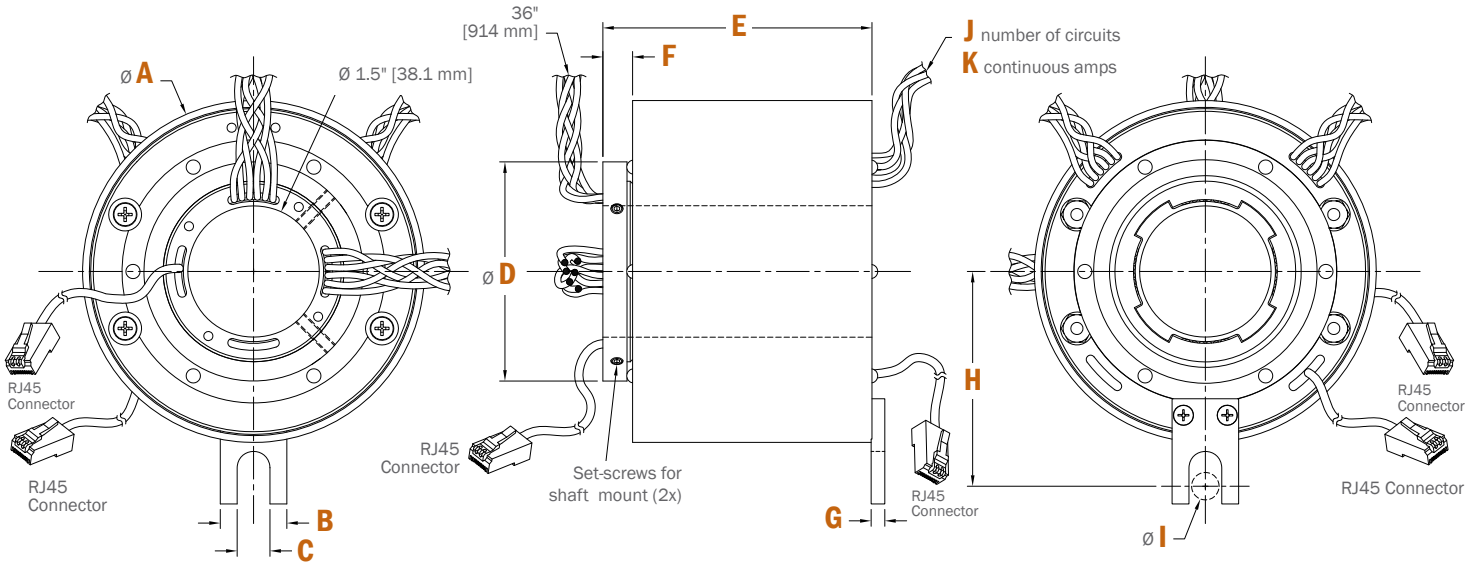
DID YOU KNOW?

DSTI slip rings can be purchased online at **store.dsti.com**

SPECIFICATIONS	
Operating Speed (max.)	250 RPM Continuous
Data Speed (max.)	100 Mbps, 1 Gbps
Standard Circuit Options	4, 8, 14, 20, 22
Voltage [AC/DC] (max.)[1]	240, 600
Amps	2, 10
Lead Gauge (AWG)	24, 16
Wire Material	Copper, Tin-Plated Copper
Electrical Noise (max.)	100 Milliohms
Contact Material	Silver
Temperature Range	-40°F to 176°F (-40°C to +80°C)

[1] 600V max on 16 AWG power circuits. 240V max on Ethernet cable.

ESET Series: Dimensions



	ESET4	ESET8	ESET68	ESET128	ESET184
A	3.90″ [99.06mm]	3.90″ [99.06mm]	3.90″ [99.06mm]	3.90″ [99.06mm]	3.90″ [99.06mm]
B	.76″ [19.30 mm]	.76″ [19.30 mm]	.76″ [19.30 mm]	.76″ [19.30 mm]	.76″ [19.30 mm]
C	.375″ [9.53mm]	.375″ [9.53mm]	.375″ [9.53mm]	.375″ [9.53mm]	.375″ [9.53mm]
D	2.5″ [63.50mm]	2.5″ [63.50mm]	2.5″ [63.50mm]	2.5″ [63.50mm]	2.5″ [63.50mm]
E	2.13″ [54.10mm]	3.07″ [77.98mm]	4.01″ [101.85mm]	4.94″ [125.48mm]	4.94″ [125.48mm]
F	.34″ [8.64mm]	.34″ [8.64mm]	.34″ [8.64mm]	.34″ [8.64mm]	.34″ [8.64mm]
G	.15″ [3.81mm]	.15″ [3.81mm]	.15″ [3.81mm]	.15″ [3.81mm]	.15″ [3.81mm]
H	2.45″ [62.23mm]	2.45″ [62.23mm]	2.45″ [62.23mm]	2.45″ [62.23mm]	2.45″ [62.23mm]
I	.313″ [7.95mm]	.313″ [7.95mm]	.313″ [7.95mm]	.313″ [7.95mm]	.313″ [7.95mm]
J	4 Circuits	8 Circuits	14 Circuits	20 Circuits	22 Circuits
K	(1x) 100Base-T*	(1x) 1000Base-T*	(6x) 10 Amps (1x) 1000Base-T*	(12x) 10 Amps (1x) 1000Base-T*	(18x) 10 Amps (1x) 100Base-T*

*100BaseT & 1000BaseT (24 gauge / twisted pair) Ethernet circuits can also be used for other data/signal types

Wiring Color Codes: ES Series

ES6 / ES6-L		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	

ES6A		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	

ES12		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	

ES12A		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	

ES18		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	

Wiring Color Codes: ES Series

ES24		
Tag #	Color	Description/Awg
1	BLK	2A/28
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	
19	WHT-GRY[1]	
20	WHT-BLK-BRN[2]	
21	WHT-BLK-RED[3]	
22	WHT-BLK-ORN[4]	
23	WHT-BLK-YEL[5]	
24	WHT-BLK-GRN[6]	

[1] BLK (ES24-L)
[2] BRN (ES24-L)
[3] RED (ES24-L)
[4] ORN (ES24-L)
[5] YEL (ES24-L)
[6] GRN (ES24-L)

ES36		
Tag #	Color	Description/Awg
1	BLK	2A/26
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	
19	BLK	
20	BRN	
21	RED	
22	ORN	
23	YEL	
24	GRN	
25	BLU	
26	VIO	
27	GRY	
28	WHT	
29	WHT-BLK	
30	WHT-BRN	
31	WHT-RED	
32	WHT-ORN	
33	WHT-YEL	
34	WHT-GRN	
35	WHT-BLU	
36	WHT-VIO	

ES56		
Tag #	Color	Description/Awg
1	BLK	2A/26
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	
19	BLK	
20	BRN	
21	RED	
22	ORN	
23	YEL	
24	GRN	
25	BLU	
26	VIO	
27	GRY	
28	WHT	
29	WHT-BLK	
30	WHT-BRN	
31	WHT-RED	
32	WHT-ORN	
33	WHT-YEL	
34	WHT-GRN	
35	WHT-BLU	
36	WHT-VIO	
37	BLK	2A/26
38	BRN	
39	RED	
40	ORN	
41	YEL	
42	GRN	
43	BLU	
44	VIO	
45	GRY	
46	WHT	
47	WHT-BLK	
48	WHT-BRN	
49	WHT-RED	
50	WHT-ORN	
51	WHT-YEL	
52	WHT-GRN	
53	WHT-BLU	
54	WHT-VIO	
55	BLK	
56	BRN	

Wiring Color Codes: ESE Series

See Ethernet Plug Wiring on Page 26

*28 AWG 100_T = 1 amps max signal; CAT 5 Cable

ESE64		
Tag #	Color	Description/Awg
1	ORN	100_T/28/ Twisted Pair
2	WHT-ORN	
3	GRN	100_T/28/ Twisted Pair
4	WHT-GRN	
5	BLK	2A/26
6	BRN	
7	RED	
8	ORN	
9	YEL	
10	GRN	

ESE224		
Tag #	Color	Description/Awg
1	ORN	100_T/28/ Twisted Pair
2	WHT-ORN	
3	GRN	100_T/28/ Twisted Pair
4	WHT-GRN	
5	BLK	10A/16
6	BRN	
7	RED	2A/26
8	ORN	

ESE264		
Tag #	Color	Description/Awg
1	ORN	100_T/28/ Twisted Pair
2	WHT-ORN	
3	GRN	100_T/28/ Twisted Pair
4	WHT-GRN	
5	BLK	5A/20
6	BRN	
7	BLK	2A/26
8	BRN	
9	RED	
10	ORN	
11	YEL	
12	GRN	

ESE284		
Tag #	Color	Description/Awg
1	ORN	100_T/28/ Twisted Pair
2	WHT-ORN	
3	GRN	100_T/28/ Twisted Pair
4	WHT-GRN	
5	BLK	10A/16
6	BRN	
7	BLK	2A/26
8	BRN	
9	RED	
10	ORN	
11	YEL	
12	GRN	
13	BLU	
14	VIO	

ESE2124		
Tag #	Color	Description/Awg
1	ORN	100_T/28/ Twisted Pair
2	WHT-ORN	
3	GRN	100_T/28/ Twisted Pair
4	WHT-GRN	
5	BLK	5A/20
6	BRN	
7	BLK	2A/26
8	BRN	
9	RED	
10	ORN	
11	YEL	
12	GRN	
13	BLU	
14	VIO	
15	GRY	
16	WHT	
17	WHT-BLK	
18	WHT-BRN	

Wiring Color Codes: ESE Series

See Ethernet Plug Wiring on Page 26

*28 AWG 1000_T = 1 amps max signal; CAT 5 Cable

ESE438

Tag #	Color	Description/Awg
1	BLK	2A/26
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	BLK	
16	BRN	
17	RED	
18	ORN	
19	YEL	
20	GRN	
21	BLU	
22	VIO	
23	GRY	
24	WHT	
25	WHT-BLK	
26	WHT-BRN	
27	WHT-RED	
28	WHT-ORN	
29	ORN	1000_T/28/ Twisted Pair
	WHT-ORN	
	GRN	1000_T/28/ Twisted Pair
	WHT-GRN	
	BLU	1000_T/28/ Twisted Pair
	WHT-BLU	
	BRN	1000_T/28/ Twisted Pair
	WHT-BRN	

37	BLK	2A/26
38	BLK	
39	BRN	
40	RED	
41	ORN	
42	YEL	
43	GRN	
44	BLU	
45	VIO	
46	GRY	
47	WHT	
48	WHT-BLK	
49	WHT-BRN	
50	WHT-RED	
51	WHT-ORN	

ESE4358

Tag #	Color	Description/Awg
1	BLK	2A/26
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	BLK	5A/20
16	BRN	
17	RED	
18	ORN	
19	BLK	2A/26
20	BRN	
21	RED	
22	ORN	
23	YEL	
24	GRN	
25	ORN	1000_T/28/ Twisted Pair
	WHT-ORN	
	GRN	1000_T/28/ Twisted Pair
	WHT-GRN	
	BLU	1000_T/28/ Twisted Pair
	WHT-BLU	
	BRN	1000_T/28/ Twisted Pair
	WHT-BRN	

33	BLK	2A/26
34	BLK	
35	BRN	
36	RED	
37	ORN	
38	YEL	
39	GRN	
40	BLU	
41	VIO	
42	GRY	
43	WHT	
44	WHT-BLK	
45	WHT-BRN	
46	WHT-RED	
47	WHT-ORN	

Wiring Color Codes: ESE Series

See Ethernet Plug Wiring on Page 26

*28 AWG 1000_T = 1 amps max signal; CAT 5 Cable

ESE2358

Tag #	Color	Description/Awg
1	BLK	2A/26
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	BLK	10A/16
16	BRN	
17	BLK	2A/26
18	BRN	
19	RED	
20	ORN	
21	YEL	
22	GRN	
23	ORN	1000_T/28/ Twisted Pair
	WHT-ORN	
	GRN	1000_T/28/ Twisted Pair
	WHT-GRN	
	BLU	1000_T/28/ Twisted Pair
	WHT-BLU	
	BRN	1000_T/28/ Twisted Pair
	WHT-BRN	

31	BLK	2A/26
32	BLK	
33	BRN	
34	RED	
35	ORN	
36	YEL	
37	GRN	
38	BLU	
39	VIO	
40	GRY	
41	WHT	
42	WHT-BLK	
43	WHT-BRN	
44	WHT-RED	
45	WHT-ORN	

ESE8278

Tag #	Color	Description/Awg
1	BLK	5A/20
2	BRN	
3	RED	
4	ORN	
5	BLK	2A/26
6	BRN	
7	RED	
8	ORN	
9	YEL	
10	GRN	
11	BLK	5A/20
12	BRN	
13	RED	
14	ORN	
15	BLK	2A/26
16	BRN	
17	RED	
18	ORN	
19	YEL	
20	GRN	
21	ORN	1000_T/28/ Twisted Pair
	WHT-ORN	
	GRN	1000_T/28/ Twisted Pair
	WHT-GRN	
	BLU	1000_T/28/ Twisted Pair
	WHT-BLU	
	BRN	1000_T/28/ Twisted Pair
	WHT-BRN	

29	BLK	2A/26
30	BLK	
31	BRN	
32	RED	
33	ORN	
34	YEL	
35	GRN	
36	BLU	
37	VIO	
38	GRY	
39	WHT	
40	WHT-BLK	
41	WHT-BRN	
42	WHT-RED	
43	WHT-ORN	

Wiring Color Codes: ESE Series

See Ethernet Plug Wiring on Page 26

*28 AWG 1000_T = 1 amps max signal; CAT 5 Cable

ESE24278		
Tag #	Color	Description/Awg
1	BLK	5A/20
2	BRN	
3	RED	
4	ORN	
5	BLK	2A/26
6	BRN	
7	RED	
8	ORN	
9	YEL	
10	GRN	
11	BLK	10A/16
12	BRN	
13	BLK	2A/26
14	BRN	
15	RED	
16	ORN	
17	YEL	
18	GRN	
19	ORN	1000_T/28/ Twisted Pair
	WHT-ORN	
	GRN	1000_T/28/ Twisted Pair
	WHT-GRN	
	BLU	1000_T/28/ Twisted Pair
	WHT-BLU	
	BRN	1000_T/28/ Twisted Pair
	WHT-BRN	
27	BLK	2A/26
28	BLK	
29	BRN	
30	RED	
31	ORN	
32	YEL	
33	GRN	
34	BLU	
35	VIO	
36	GRY	
37	WHT	
38	WHT-BLK	
39	WHT-BRN	
40	WHT-RED	
41	WHT-ORN	

Wiring Color Codes: ESM Series

ESM36		
Tag #	Color	Description/Awg
1	BLK	10A/16
2	BLK	
3	BLK	
4	BLK	2A/26
5	BRN	
6	RED	
7	ORN	
8	YEL	
9	GRN	

ESM312		
Tag #	Color	Description/Awg
1	BLK	5A/20
2	BLK	
3	BLK	
4	BLK	2A/26
5	BRN	
6	RED	
7	ORN	
8	YEL	
9	GRN	
10	BLU	
11	VIO	
12	GRY	
13	WHT	
14	WHT-BLK	
15	WHT-BRN	

ESM420		
Tag #	Color	Description/Awg
1	BLK	2A/26
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	
19	BLK	
20	BRN	
21	BLK	10A/16
22	BLK	
23	BLK	
24	BLK	

ESM428		
Tag #	Color	Description/Awg
1	BLK	2A/26
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	
19	BLK	
20	BRN	
21	RED	
22	ORN	
23	YEL	
24	GRN	
25	BLU	
26	VIO	
27	GRY	
28	WHT	
29	BLK	5A/20
30	BLK	
31	BLK	
32	BLK	

Wiring Color Codes: ESM Series

ESM440		
Tag #	Color	Description/Awg
1	BLK	2A/26
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	
19	BLK	
20	BRN	
21	RED	
22	ORN	
23	YEL	
24	GRN	
25	BLU	
26	VIO	
27	GRY	
28	WHT	
29	WHT-BLK	
30	WHT-BRN	
31	WHT-RED	
32	WHT-ORN	
33	WHT-YEL	
34	WHT-GRN	
35	WHT-BLU	
36	WHT-VIO	
37	BLK	2A/26
38	BRN	
39	RED	
40	ORN	
41	BLK	10A/16
42	BLK	
43	BLK	
44	BLK	

ESM448		
Tag #	Color	Description/Awg
1	BLK	2A/26
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	
19	BLK	
20	BRN	
21	RED	
22	ORN	
23	YEL	
24	GRN	
25	BLU	
26	VIO	
27	GRY	
28	WHT	
29	WHT-BLK	
30	WHT-BRN	
31	WHT-RED	
32	WHT-ORN	
33	WHT-YEL	
34	WHT-GRN	
35	WHT-BLU	
36	WHT-VIO	
37	BLK	2A/26
38	BRN	
39	RED	
40	ORN	
41	YEL	
42	GRN	
43	BLU	
44	VIO	
45	GRY	
46	WHT	
47	WHT-BLK	
48	WHT-BRN	
49	BLK	5A/20
50	BLK	
51	BLK	
52	BLK	

Wiring Color Codes: EST Series

EST6		
Tag #	Color	Description/Awg
1	BLK	10A/16
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	

EST12		
Tag #	Color	Description/Awg
1	BLK	10A/16
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	

EST18		
Tag #	Color	Description/Awg
1	BLK	10A/16
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	

EST24		
Tag #	Color	Description/Awg
1	BLK	10A/16
2	BRN	
3	RED	
4	ORN	
5	YEL	
6	GRN	
7	BLU	
8	VIO	
9	GRY	
10	WHT	
11	WHT-BLK	
12	WHT-BRN	
13	WHT-RED	
14	WHT-ORN	
15	WHT-YEL	
16	WHT-GRN	
17	WHT-BLU	
18	WHT-VIO	
19	WHT-GRY	
20	WHT-BLK-BRN	
21	WHT-BLK-RED	
22	WHT-BLK-ORN	
23	WHT-BLK-YEL	
24	WHT-BLK-GRN	

Wiring Color Codes: ESET Series

See Ethernet Plug Wiring on Page 26

*24 AWG 100_T = 2 amps max signal; CAT 6 Cable

ESET4		
Tag #	Color	Description/Awg
1	ORN	100_T/24/ Twisted Pair
2	WHT-ORN	
3	GRN	100_T/24/ Twisted Pair
4	WHT-GRN	

ESET184		
Tag #	Color	Description/Awg
1	ORN	100_T/24/ Twisted Pair
2	WHT-ORN	
3	GRN	100_T/24/ Twisted Pair
4	WHT-GRN	
5	BLU	10A/16
6	VIO	
7	GRY	
8	WHT	
9	WHT-BLK	
10	WHT-BRN	
11	WHT-RED	
12	WHT-ORG	
13	WHT-YEL	
14	WHT-GRN	
15	WHT-BLU	
16	WHT-VIO	
17	WHT-GRY	
18	WHT-BLK-BRN	
19	WHT-BLK-RED	
20	WHT-BLK-ORG	
21	WHT-BLK-YEL	
22	WHT-BLK-GRN	

Wiring Color Codes: ESET Series

See Ethernet Plug Wiring on Page 26

*24 AWG 1000_T = 2 amps max signal; CAT 6 Cable

ESET8		
Tag #	Color	Description/Awg
1	ORN	1000_T/24/ Twisted Pair
2	WHT-ORN	
3	GRN	1000_T/24/ Twisted Pair
4	WHT-GRN	
5	BLU	1000_T/24/ Twisted Pair
6	WHT-BLU	
7	BRN	1000_T/24/ Twisted Pair
8	WHT-BRN	

ESET68		
Tag #	Color	Description/Awg
1	ORN	1000_T/24/ Twisted Pair
2	WHT-ORN	
3	GRN	1000_T/24/ Twisted Pair
4	WHT-GRN	
5	BLU	1000_T/24/ Twisted Pair
6	WHT-BLU	
7	BRN	1000_T/24/ Twisted Pair
8	WHT-BRN	
9	WHT-RED	10A/16
10	WHT-ORN	
11	WHT-YEL	
12	WHT-GRN	
13	WHT-BLU	
14	WHT-VIO	

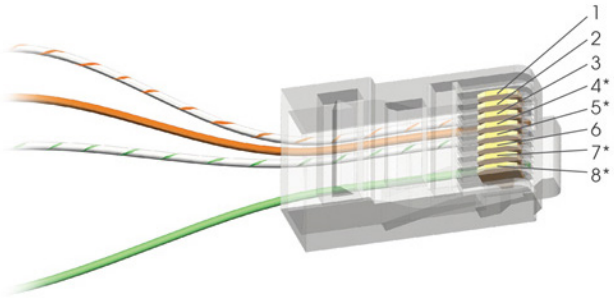
ESET128		
Tag #	Color	Description/Awg
1	ORN	1000_T/24/ Twisted Pair
2	WHT-ORN	
3	GRN	1000_T/24/ Twisted Pair
4	WHT-GRN	
5	BLU	1000_T/24/ Twisted Pair
6	WHT-BLU	
7	BRN	1000_T/24/ Twisted Pair
8	WHT-BRN	
9	WHT-RED	10A/16
10	WHT-ORN	
11	WHT-YEL	
12	WHT-GRN	
13	WHT-BLU	
14	WHT-VIO	
15	WHT-GRY	
16	WHT-BLK-BRN	
17	WHT-BLK-RED	
18	WHT-BLK-ORG	
19	WHT-BLK-YEL	
20	WHT-BLK-GRN	

Ethernet Plug Wiring: 4-Wire*

ATTENTION
Ethernet Plug PIN Numbers shown on this page are different than Wire Tag Numbers.

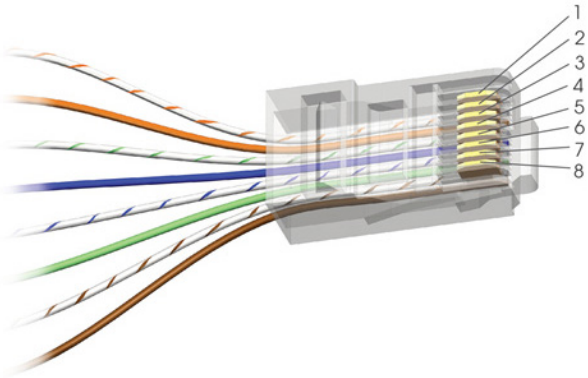
*RJ45 Plug

Color	Pin #
WHT-ORN	1
ORN	2
WHT-GRN	3
N/A	4
N/A	5
GRN	6
N/A	7
N/A	8



Ethernet Plug Wiring: 8-Wire*

Color	Pin #
WHT-ORN	1
ORN	2
WHT-GRN	3
BLU	4
WHT-BLU	5
GRN	6
WHT-BRN	7
BRN	8



Installation & Mounting

THESE INSTRUCTIONS ARE INTENDED TO BE USED AS A GENERAL GUIDE, PLEASE CONSULT DSTI TO DISCUSS ANY SPECIFIC QUESTIONS RELATED TO YOUR INSTALLATION.

PREPARATION:

Remove the slip ring from the shipping container. Inspect the entire assembly, including wire leads to make sure there is no visual damage that occurred during transport.

RECOMMENDED INSTALLATION PRACTICE:

Because of possible geometric mismatching between the customer's application and the slip ring, "hard mounting" of both ends of the slip ring (i.e., securing the rotor and stator such that there is NO floating during operation) is not recommended and may cause premature failure.

CAPSULE SLIP RING, FLANGE MOUNT:

The slip ring capsule is designed to be flange-mounted to the customer's interface while allowing either the barrel and flange to be rotated or the rotor itself. The rotor leads can be used to rotate with the equipment. Wrap the rotor and rotor leads together with heat shrink tubing for added protection.

Use screws to mount the slip ring. Washers can be used protect the flange from excessive strain. If lock washers are also used, flat washers should be mounted between the lock washers and the flange. (Note: mounting hardware is not included).

The slip ring is not designed to bear the weight of the equipment to which it is connected. Rotating equipment should be secured so that no axial or radial load is applied to the slip ring rotor.

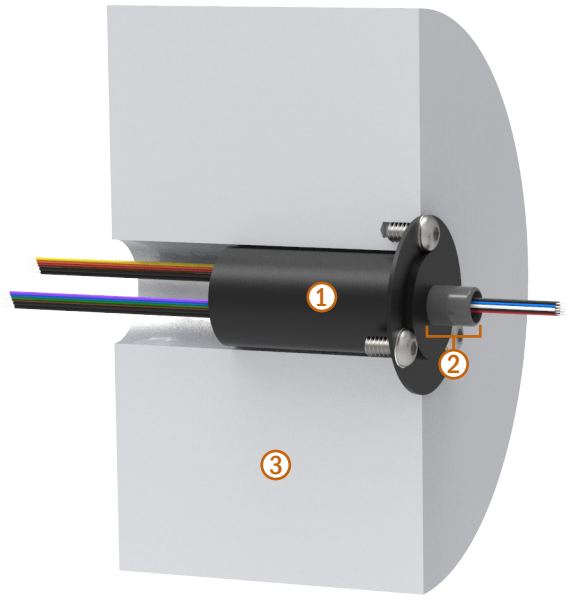
Secure all leads so that they do not rub against any surface as the equipment rotates. Care should be taken when routing and securing the leads so that no side loading of the slip ring occurs.

The slip ring should be protected from dust and moisture. DSTI offers an optional IP65 Slip Ring Protective Enclosure (SRPE) for the ultimate protection against water, dust and damage.

INITIAL START-UP:

Begin rotation of the equipment and verify that while rotating at the maximum operating speed there is no visible movement of the slip ring assembly due to misalignment and no binding or rubbing of the wire leads.

MOUNTING EXAMPLE



① BARREL & FLANGE (STATOR)
② ROTOR
③ CUSTOMER INTERFACE EXAMPLE

Installation & Mounting

THESE INSTRUCTIONS ARE INTENDED TO BE USED AS A GENERAL GUIDE, PLEASE CONSULT DSTI TO DISCUSS ANY SPECIFIC QUESTIONS RELATED TO YOUR INSTALLATION.

PREPARATION:

Remove the slip ring from the shipping container. Inspect the entire assembly, including wire leads to make sure there is no visual damage that occurred during transport.

RECOMMENDED INSTALLATION PRACTICE:

Because of possible geometric mismatching between the customer's application and the slip ring, "hard mounting" of both ends of the slip ring (i.e., securing the rotor and stator such that there is NO floating during operation) is not recommended and may cause premature failure.

THROUGH BORE SLIP RING, SHAFT MOUNT:

Position the slip ring in the desired location and tighten both set screws to the shaft. Maximum torque 25 lb-in. (DO NOT OVER TORQUE)

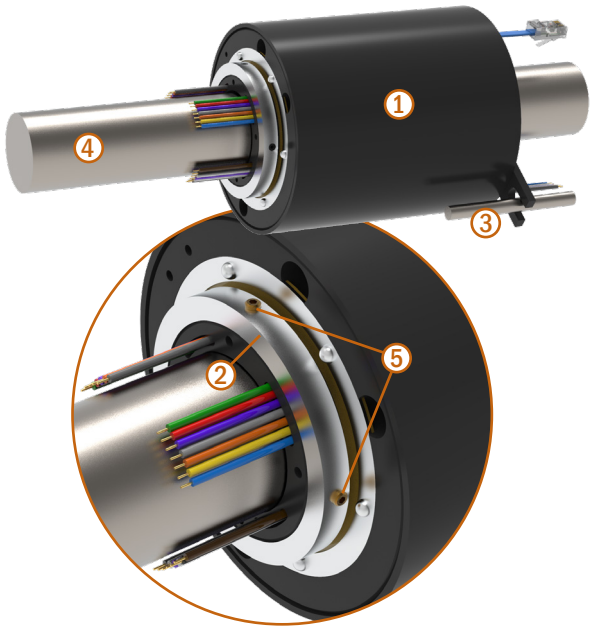
Route the wiring and make the necessary connections. Do not allow the wiring to restrict free rotation of the slip ring. Do not constrain wiring such that wire flexing (cold working) occurs. Doing so will ultimately cause failure (breakage of the wiring).

Position a 5/16" (max. dia.) screw or dowel (NOT SUPPLIED) in the anti-rotation tab.

INITIAL START-UP:

Begin rotation of the equipment and verify that while rotating at the maximum operating speed there is no visible movement of the slip ring assembly due to misalignment and no binding or rubbing of the wire leads.

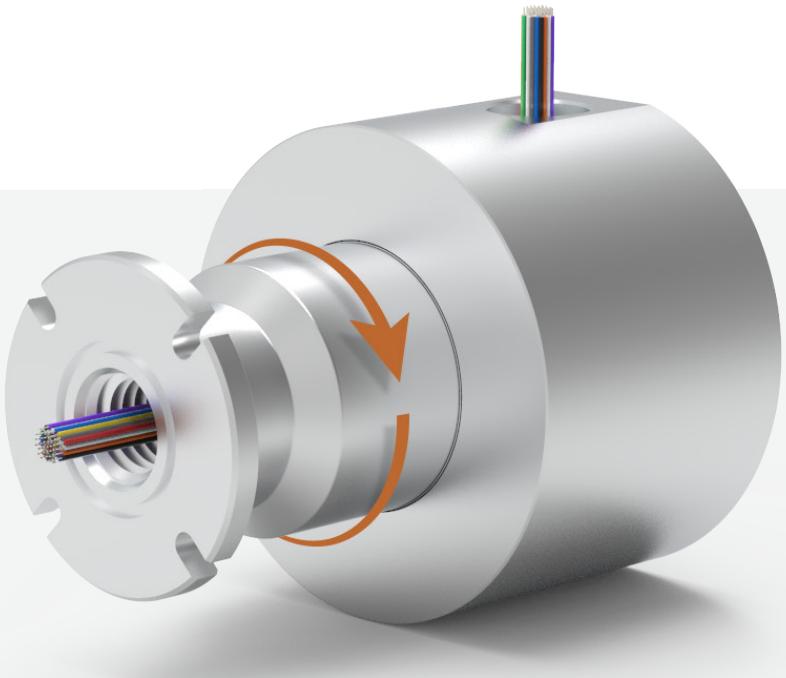
MOUNTING EXAMPLE



① SLIP RING STATOR
② SLIP RING ROTOR
③ ANTI-ROTATE DEVICE EXAMPLE
④ CUSTOMER INTERFACE EXAMPLE
⑤ SET SCREWS FOR SHAFT MOUNTING

IP65 Slip Ring Protective Enclosure (SRPE-100)

LEARN MORE



Ultimate protection with our IP65 rated waterproof and dustproof enclosure for capsule slip rings.

Our IP65 rated, sealed slip ring protective enclosure (SRPE) provides the ultimate protection for your electrical slip ring against water, dust, dirt, debris and damage.

To mitigate capsule slip ring damage when used in harsh environments, DSTI offers an all-aluminum, low-torque protective enclosure with features that include a shaft flange for improved mounting capabilities and threaded NPT connections for installing electrical conduit.

IP65

IP65 INGRESS PROTECTION

SPRAY & SPLASH PROTECTION

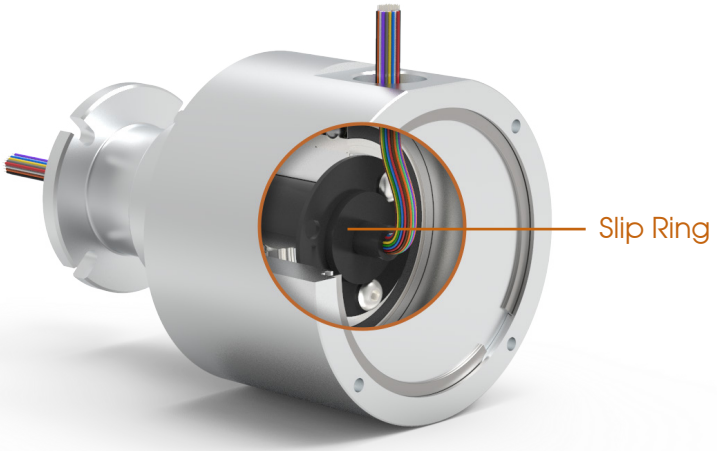
DUST & DIRT PROTECTION

CONTINUOUS ROTATION UP TO 250 RPM

SPECIFICATIONS

SLIP RING COMPATIBILITY*	ES, ESM, ESE
INGRESS PROTECTION RATING	IP65
CONNECTION OPTIONS	NPT / Shaft Flange
CONNECTION SIZE	.50” / 1.250” O-Ring
DIAMETER	3.69”
LENGTH	4.99”
MINIMUM TORQUE	8 in-lbs.
MAXIMUM ROTATION	250 RPM
MATERIAL	Aluminum

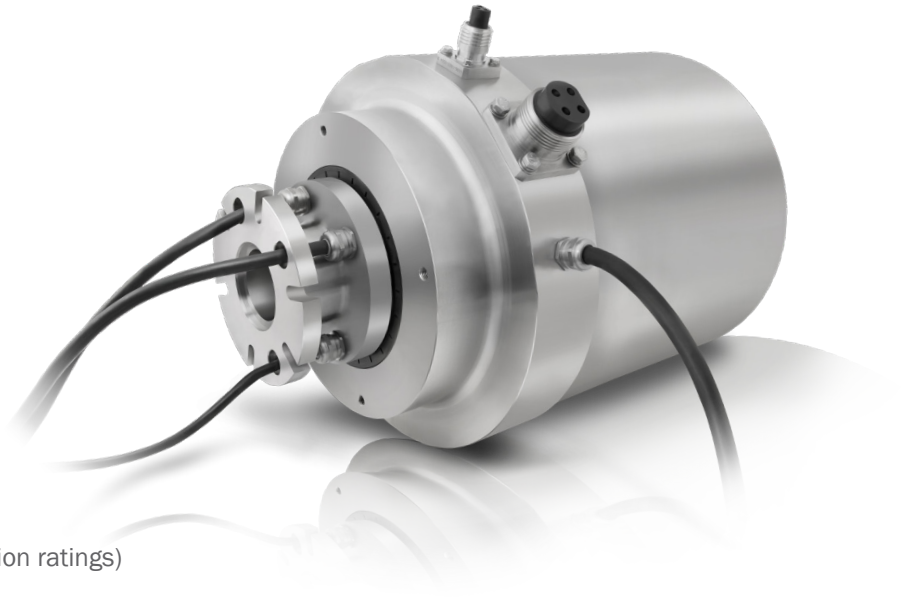
* Not compatible with ES6A/ES6A-L or ES12A/ES12A-L slip rings. Slip rings are sold separately.



Custom Slip Ring Solutions

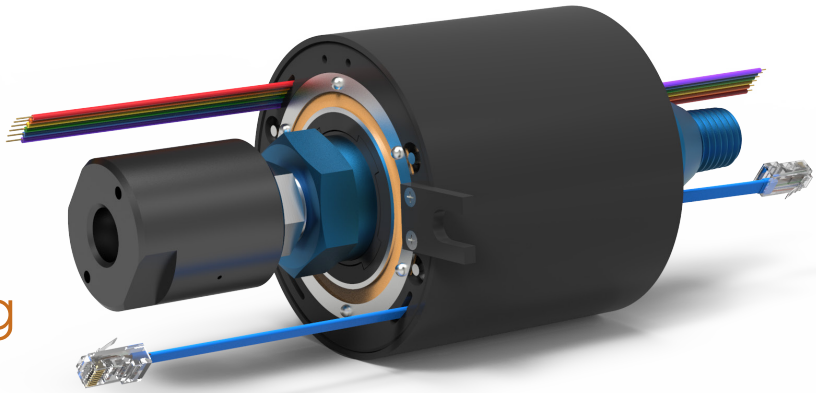
We engineer what you need - not what we have in stock. Our team works directly with our slip ring partners to design electrical slip ring products to meet your exact requirements.

Our solutions are customized for your needs meeting the exact circuits, ratings, and design parameters required for your application.



TELL US ABOUT YOUR REQUIREMENTS:

1) Circuits, voltage per circuit, amps per circuit
2) Size constraints (max OD & max Length)
3) Operating speed and duty cycle
4) Level of protection (IP65, explosion proof, class division ratings)
5) Construction material (aluminum, stainless steel)
6) Mounting type (flange, shaft)
7) Connection types (1/2 " NPT / flying leads (length))
8) Environment temperature
9) Quote quantity and annual usage



Fluid & Electrical Slip Ring Combinations

FLUID + ELECTRICAL SOLUTIONS

DSTI Can Provide Complete Fluid Rotary Union & Electrical Slip Ring Solutions **www.dsti.com/fluid-electrical**

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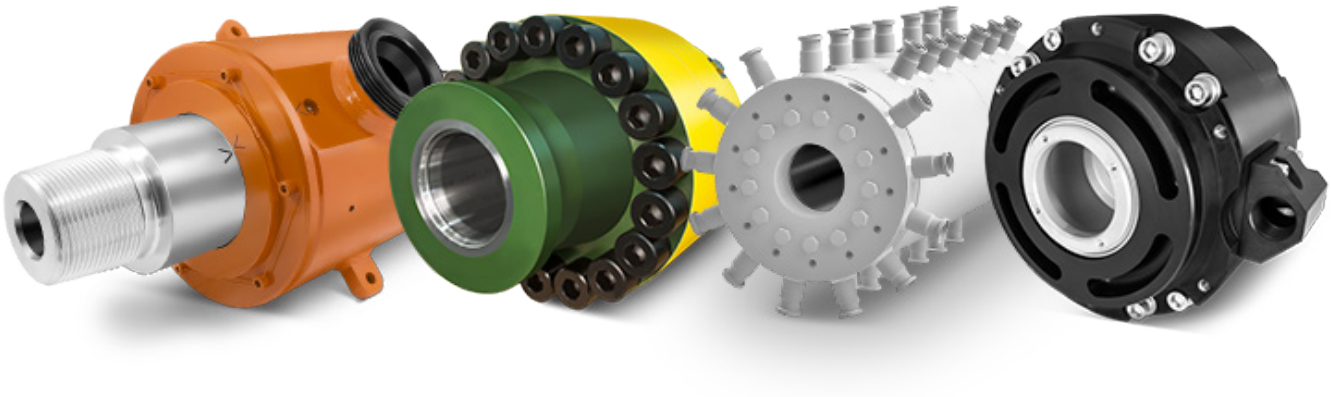
Engineered Fluid Solutions

At DSTI, our product solutions are directly influenced by the industries we serve. If an existing product isn't a perfect fit for our customers' applications, we provide specialized design and manufacturing services to meet the needs of their specifications.

To see examples of our customized solutions, please visit: **www.dsti.com/industries**

PRODUCT DOWNLOADS

For Catalogs, Brochures, Models and Drawings visit: **www.dsti.com/downloads**



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