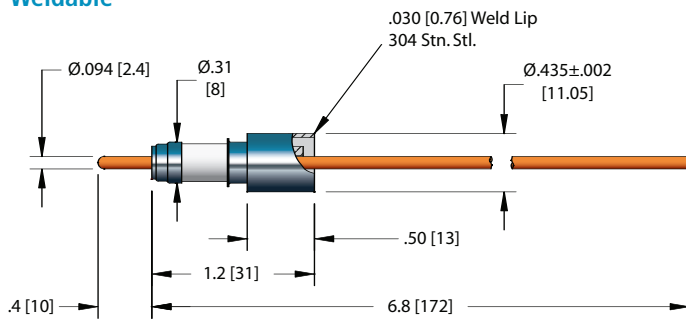
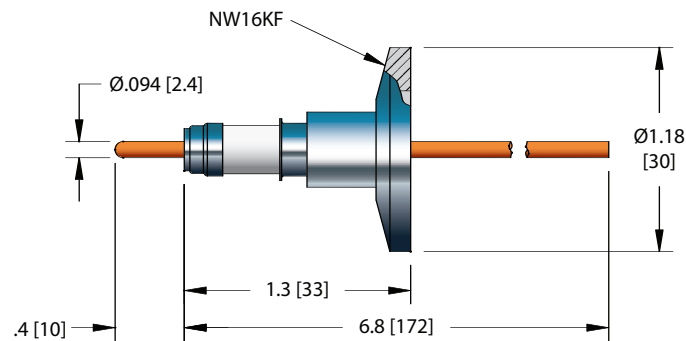
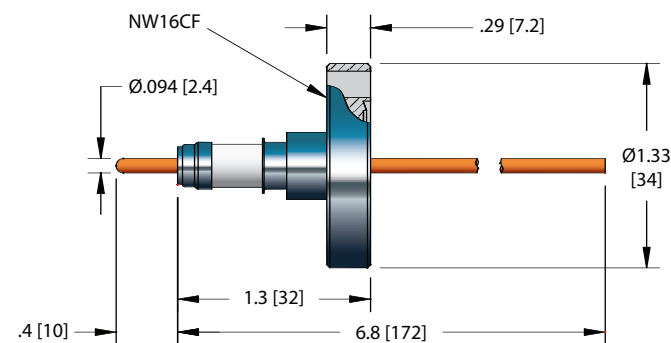
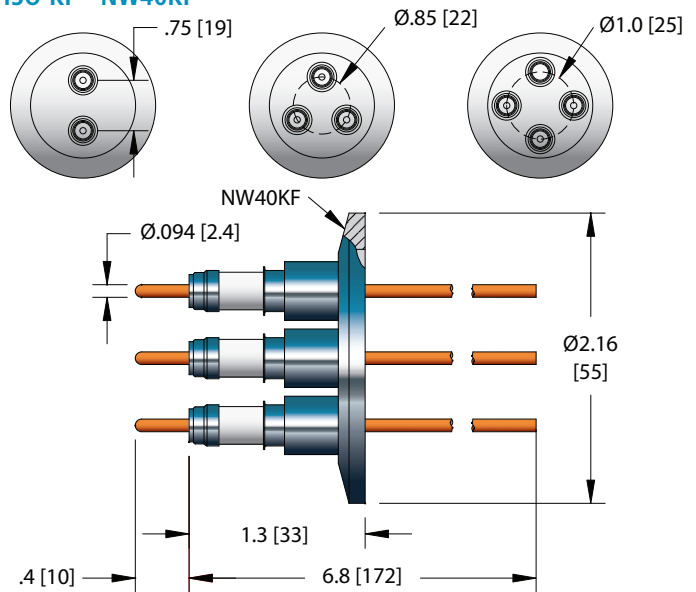
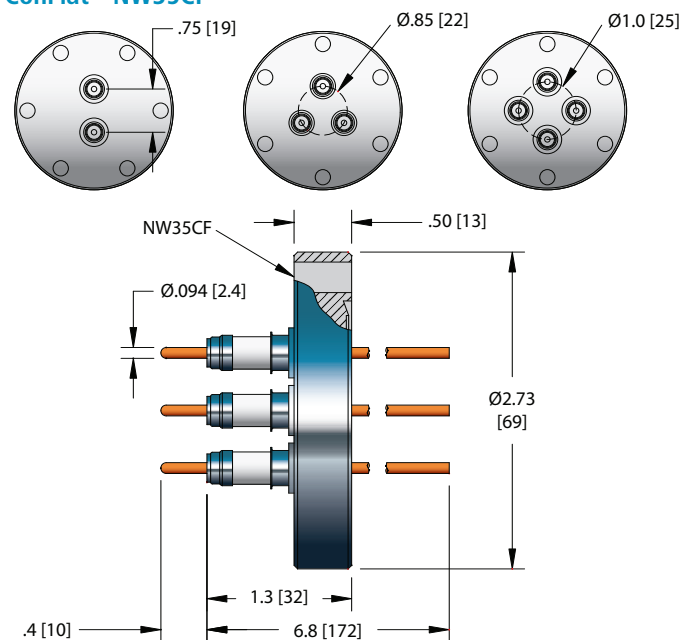
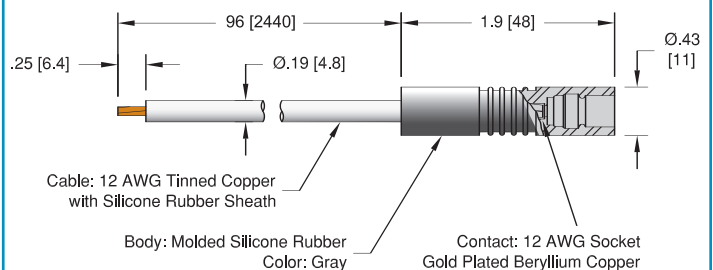


Weldable**ISO KF - NW16KF****ConFlat - NW16CF****ISO KF - NW40KF****ConFlat - NW35CF****10 kV Power Plug****Specifications****Materials**

Housing: 304 Stainless steel
Pin: See table
Insulation: Alumina ceramic
Magnetic Materials: See table

Voltage Rating 10 kV DC*

Current Rating See table

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C 1500 PSIG (103 Bar), ISO KF 0 PSIG

*When used with air side cable assembly.

Weldable



NO. PINS	CONDUCTOR AMPS	MATERIAL	INSTALLATION	MAGNETIC MATERIALS	PART NUMBER
1	3.6	304 Stn. Stl.	Weld	No	3888-08-W
1	16.5	Nickel	Weld	Yes	3888-09-W
1	55	Copper	Weld	No	3888-10-W

ISO FLANGE

1	3.6	304 Stn. Stl.	NW16KF	No	17026-05-KF
1	16.5	Nickel	NW16KF	Yes	17026-06-KF
1	55	Copper	NW16KF	No	17026-08-KF
2	3.6	304 Stn. Stl.	NW40KF	No	17027-05-KF
2	16.5	Nickel	NW40KF	Yes	17027-06-KF
2	55	Copper	NW40KF	No	17027-08-KF
3	3.6	304 Stn. Stl.	NW40KF	No	17067-05-KF
3	16.5	Nickel	NW40KF	Yes	17067-06-KF
3	55	Copper	NW40KF	No	17067-08-KF
4	3.6	304 Stn. Stl.	NW40KF	No	17028-05-KF
4	16.5	Nickel	NW40KF	Yes	17028-06-KF
4	55	Copper	NW40KF	No	17028-08-KF

CONFLAT FLANGE

1	3.6	304 Stn. Stl.	1 1/3" (NW16CF)	No	19542-07-CF
1	16.5	Nickel	1 1/3" (NW16CF)	Yes	19542-03-CF
1	55	Copper	1 1/3" (NW16CF)	No	19542-04-CF
2	3.6	304 Stn. Stl.	2 3/4" (NW35CF)	No	17060-05-CF
2	16.5	Nickel	2 3/4" (NW35CF)	Yes	17060-06-CF
2	55	Copper	2 3/4" (NW35CF)	No	17060-08-CF
3	3.6	304 Stn. Stl.	2 3/4" (NW35CF)	No	17064-05-CF
3	16.5	Nickel	2 3/4" (NW35CF)	Yes	17064-06-CF
3	55	Copper	2 3/4" (NW35CF)	No	17064-08-CF
4	3.6	304 Stn. Stl.	2 3/4" (NW35CF)	No	17069-05-CF
4	16.5	Nickel	2 3/4" (NW35CF)	Yes	17069-06-CF
4	55	Copper	2 3/4" (NW35CF)	No	17069-08-CF

ConFlat

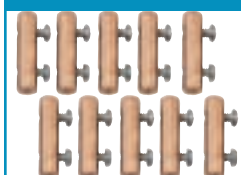


Air Side Cable Assembly



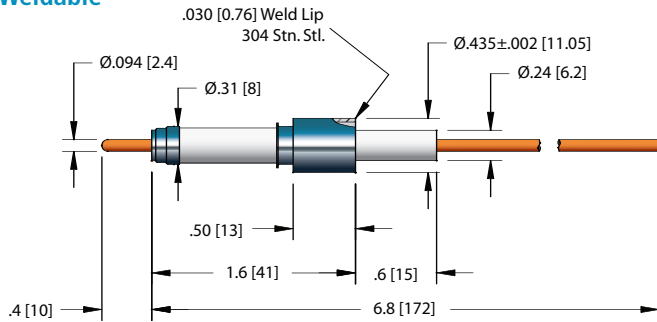
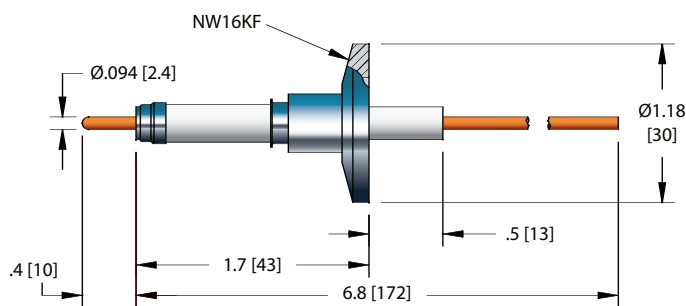
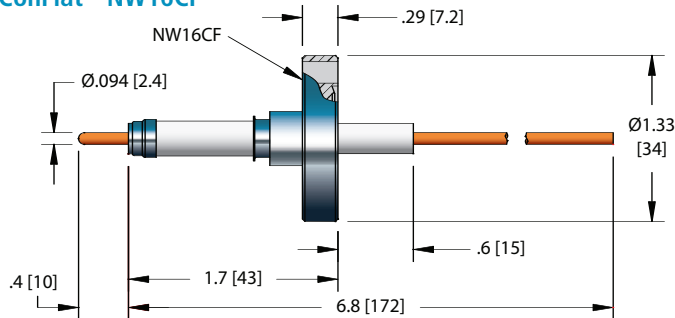
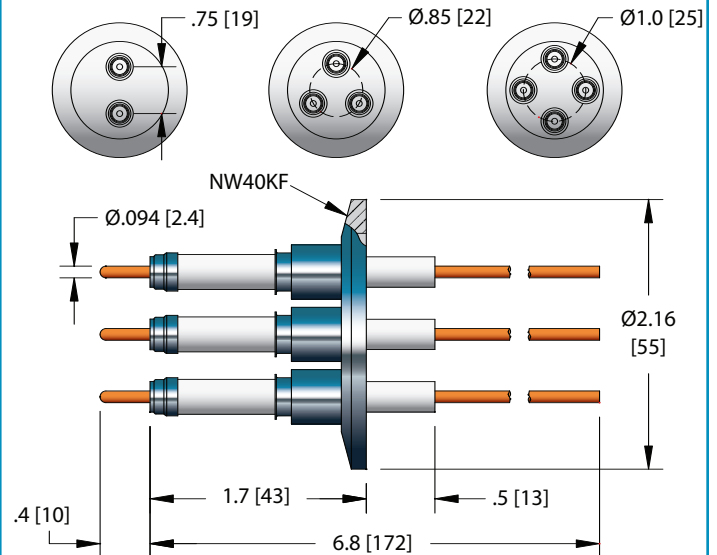
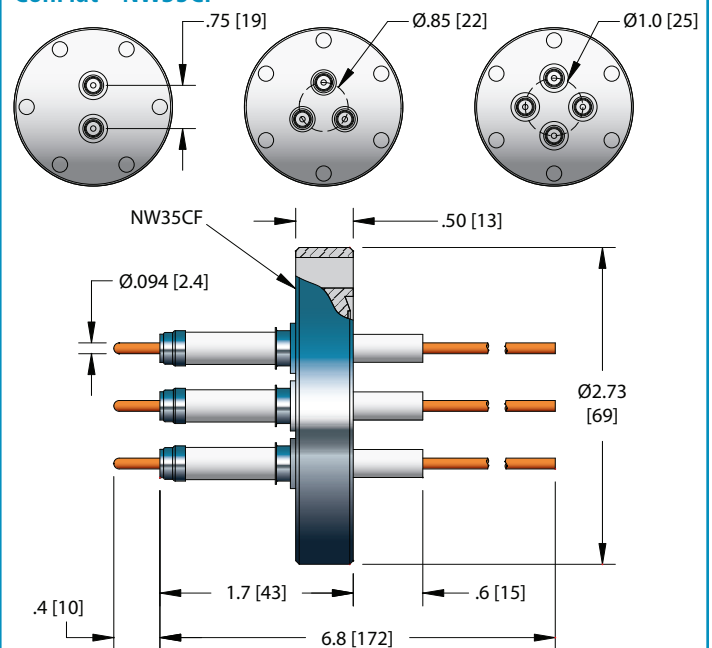
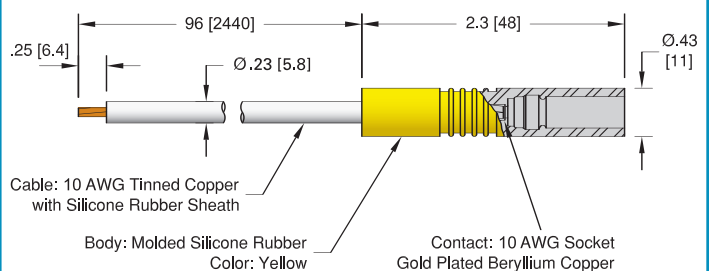
TYPE	CABLE TYPE	LENGTH	CONDUCTOR AMPS	TEMPERATURE °C MIN	MAX	PART NUMBER
10 kV Power Plug	12 AWG	8'	30	-55	125	14418-02-A

Contacts



TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.094 Set Screw Type Contacts	Beryllium Copper	Accepts wire up to 0.050 [1.3]	7429-01-A
0.094 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.094 [2.4]	7332-04-A†
Crimp Tool		For 0.025" - 0.075" Crimp Diameters	2840-05

*When used with air side cable assembly. **Contacts priced and sold in packages of 10. †Shown in photo. See the Accessories section for more information on all accessories.

Weldable**ISO KF - NW16KF****ConFlat - NW16CF****ISO KF - NW40KF****ConFlat - NW35CF****20 KV Power Plug****Specifications****Materials**

Housing: 304 Stainless steel
Pin: See table
Insulation: Alumina ceramic
Magnetic Materials: See table

Voltage Rating 20 kV DC*

Current Rating See table

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C 1500 PSIG (103 Bar), ISO KF 0 PSIG

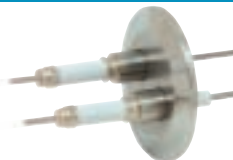
*When used with air side cable assembly.

Weldable



NO. PINS	CONDUCTOR AMPS	MATERIAL	INSTALLATION	MAGNETIC MATERIALS	PART NUMBER
1	3.6	304 Stn. Stl.	Weld	No	17575-03-W
1	16.5	Nickel	Weld	Yes	4275-22-W
1	55	Copper	Weld	No	4275-21-W

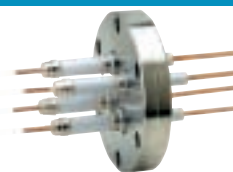
ISO KF



ISO FLANGE

1	3.6	304 Stn. Stl.	NW16KF	No	17036-05-KF
1	16.5	Nickel	NW16KF	Yes	17036-06-KF
1	55	Copper	NW16KF	No	17036-08-KF
2	3.6	304 Stn. Stl.	NW40KF	No	17037-05-KF
2	16.5	Nickel	NW40KF	Yes	17037-06-KF
2	55	Copper	NW40KF	No	17037-08-KF
3	3.6	304 Stn. Stl.	NW40KF	No	17068-05-KF
3	16.5	Nickel	NW40KF	Yes	17068-06-KF
3	55	Copper	NW40KF	No	17068-08-KF
4	3.6	304 Stn. Stl.	NW40KF	No	17038-05-KF
4	16.5	Nickel	NW40KF	Yes	17038-06-KF
4	55	Copper	NW40KF	No	17038-08-KF

ConFlat



CONFLAT FLANGE

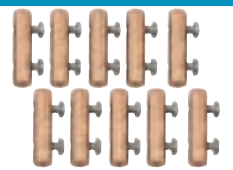
1	3.6	304 Stn. Stl.	1 1/3" (NW16CF)	No	19543-07-CF
1	16.5	Nickel	1 1/3" (NW16CF)	Yes	19543-03-CF
1	55	Copper	1 1/3" (NW16CF)	No	19543-04-CF
2	3.6	304 Stn. Stl.	2 3/4" (NW35CF)	No	10287-04-CF
2	16.5	Nickel	2 3/4" (NW35CF)	Yes	10287-05-CF
2	55	Copper	2 3/4" (NW35CF)	No	10287-03-CF
3	3.6	304 Stn. Stl.	2 3/4" (NW35CF)	No	17065-05-CF
3	16.5	Nickel	2 3/4" (NW35CF)	Yes	17065-06-CF
3	55	Copper	2 3/4" (NW35CF)	No	17065-08-CF
4	3.6	304 Stn. Stl.	2 3/4" (NW35CF)	No	16709-16-CF
4	16.5	Nickel	2 3/4" (NW35CF)	Yes	16709-08-CF
4	55	Copper	2 3/4" (NW35CF)	No	16709-10-CF

Air Side Cable Assembly



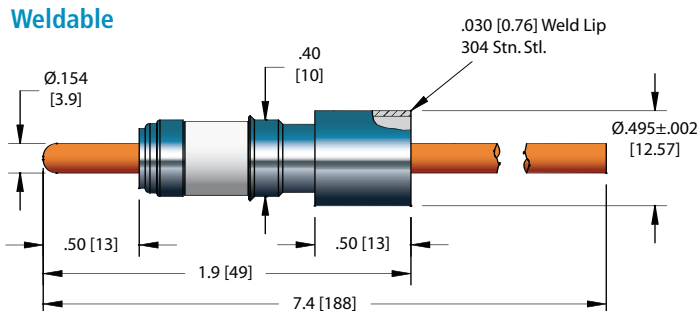
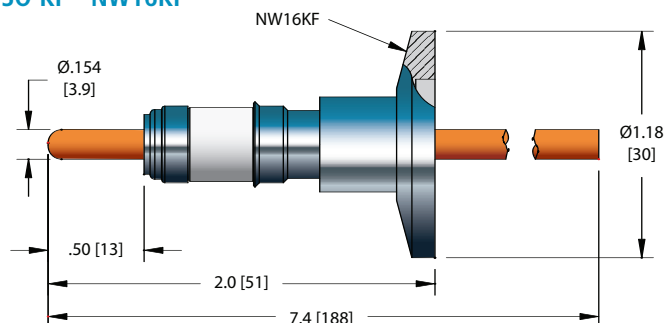
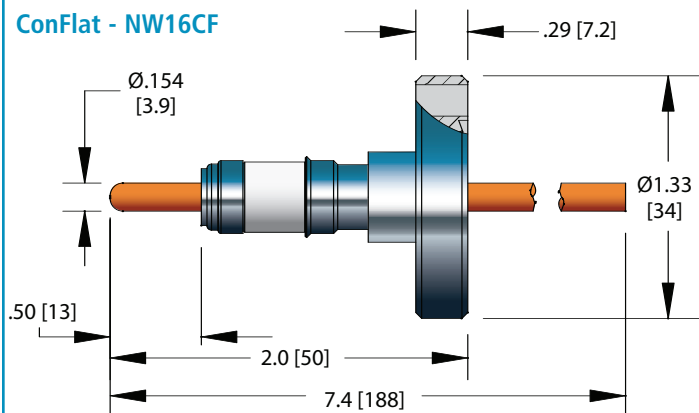
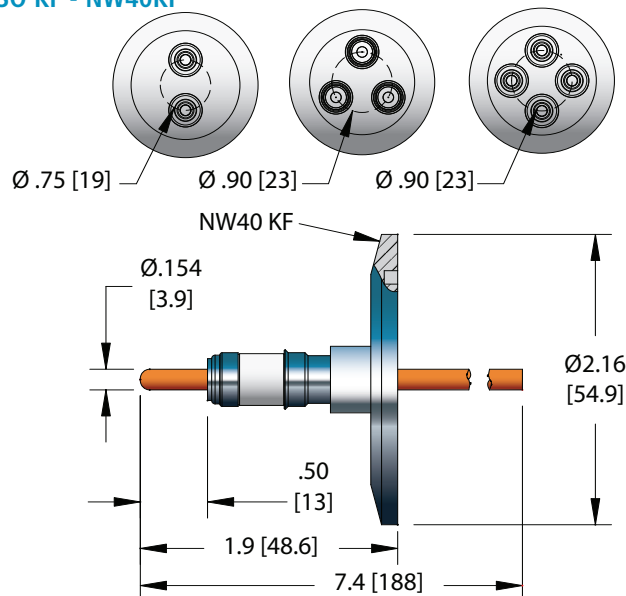
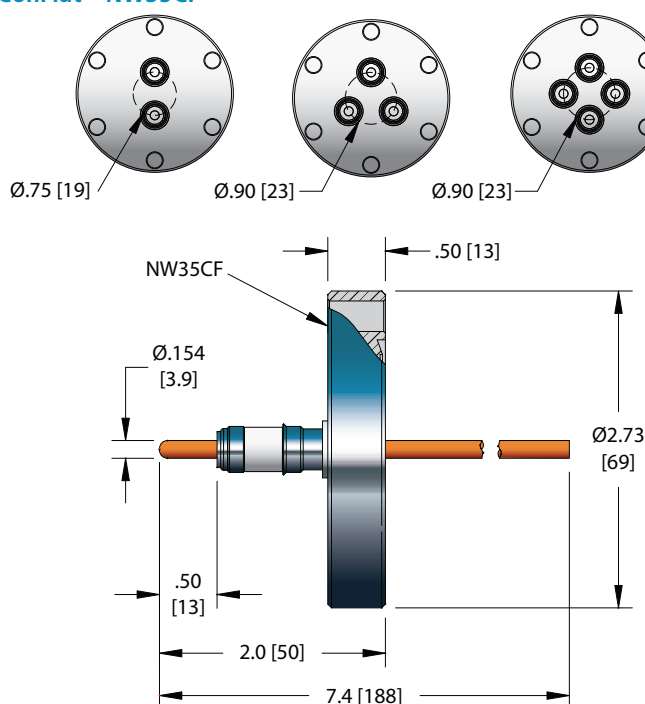
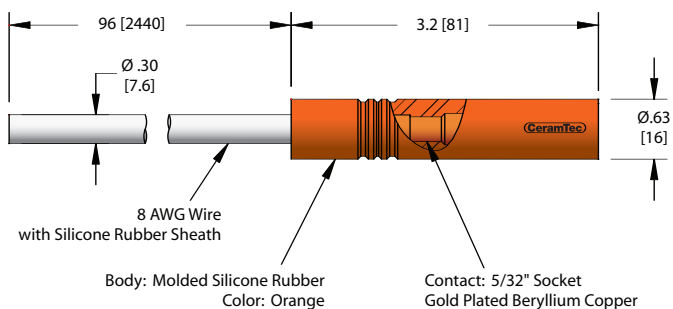
TYPE	CABLE TYPE	LENGTH	CONDUCTOR AMPS	TEMPERATURE °C MIN	TEMPERATURE °C MAX	PART NUMBER
20 kV Power Plug	10 AWG	8'	55	-55	125	14419-02-A

Contacts



TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.094 Set Screw Type Contacts	Beryllium Copper	Accepts wire up to 0.050 [1.3]	7429-01-A
0.094 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.094 [2.4]	7332-04-A†

*When used with air side cable assembly. **Contacts priced and sold in packages of 10. †Shown in photo. See the Accessories section for more information on all accessories.

Weldable**ISO KF - NW16KF****ConFlat - NW16CF****ISO KF - NW40KF****ConFlat - NW35CF****.154 Power Plug****Specifications****Materials**

Housing: 304 Stainless steel
Pin: See table
Insulation: Alumina ceramic
Magnetic Materials: Yes

Voltage Rating 10 kV DC*

Current Rating See table

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C 1000 PSIG (69 Bar), ISO KF 0 PSIG

*When used with air side cable assembly.

Weldable



NO. PINS	AMPS	CONDUCTOR MATERIAL	INSTALLATION	PART NUMBER
1	30	Nickel	Weld	21032-02-W
1	100	Copper	Weld	21032-01-W

ISO FLANGE

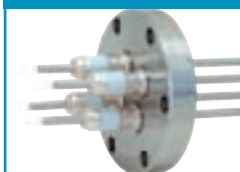
ISO KF



1	30	Nickel	NW16KF	21134-02-KF
1	100	Copper	NW16KF	21134-01-KF
2	30	Nickel	NW40KF	21158-02-KF
2	100	Copper	NW40KF	21158-01-KF
3	30	Nickel	NW40KF	21159-02-KF
3	100	Copper	NW40KF	21159-01-KF
4	30	Nickel	NW40KF	21160-02-KF
4	100	Copper	NW40KF	21160-01-KF

CONFLAT FLANGE

ConFlat



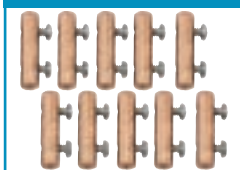
1	30	Nickel	1 1/3" (NW16CF)	21131-02-CF
1	100	Copper	1 1/3" (NW16CF)	21131-01-CF
2	30	Nickel	2 3/4" (NW35CF)	21154-02-CF
2	100	Copper	2 3/4" (NW35CF)	21154-01-CF
3	30	Nickel	2 3/4" (NW35CF)	21155-02-CF
3	100	Copper	2 3/4" (NW35CF)	21155-01-CF
4	30	Nickel	2 3/4" (NW35CF)	21156-02-CF
4	100	Copper	2 3/4" (NW35CF)	21156-01-CF

Air Side Cable Assembly



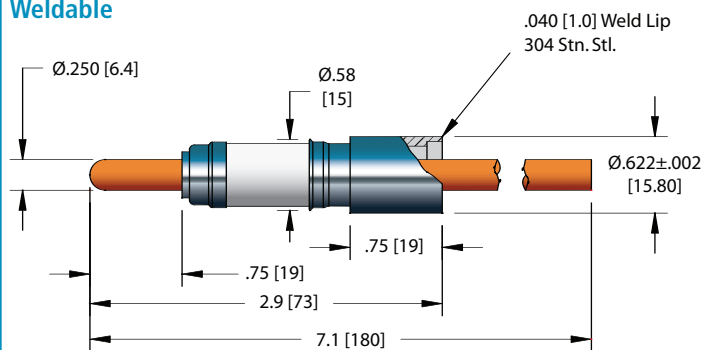
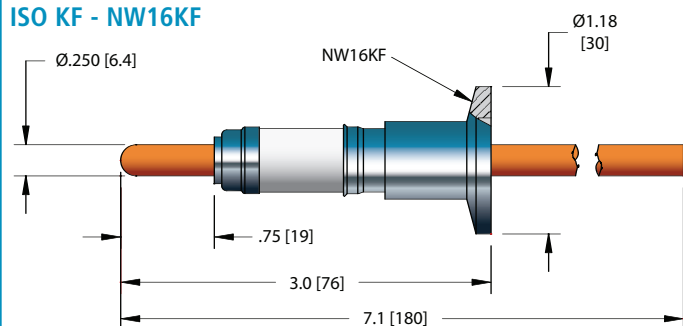
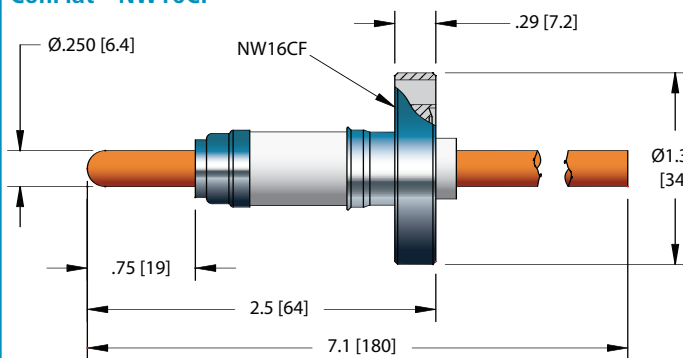
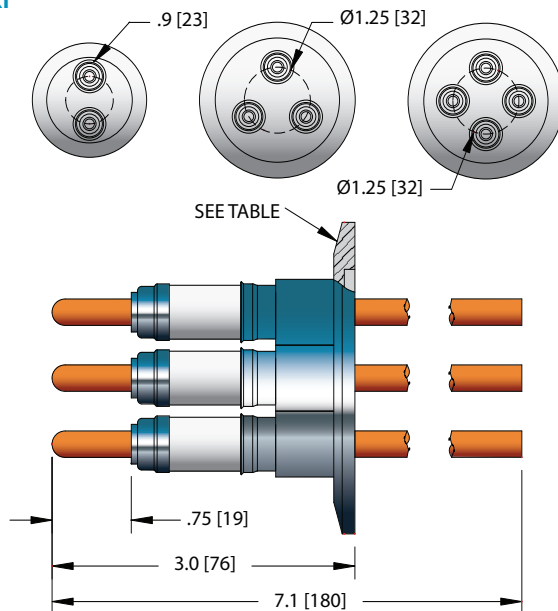
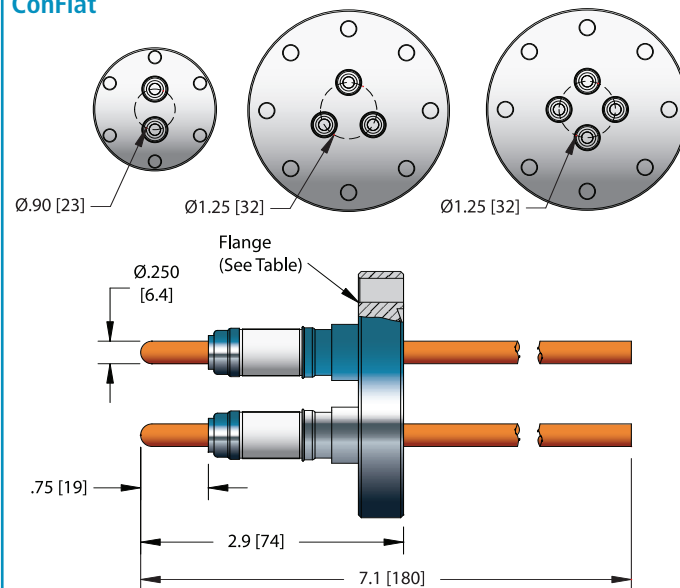
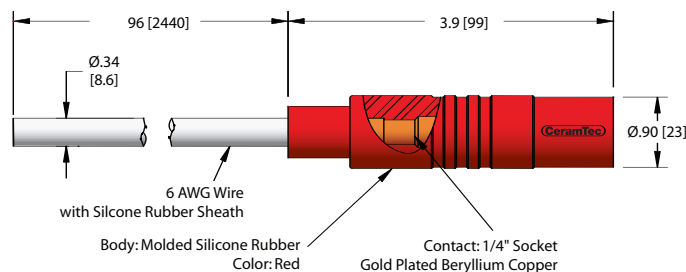
TYPE	CABLE TYPE	LENGTH	VOLTAGE DC	CONDUCTOR AMPS	TEMPERATURE °C MIN	TEMPERATURE °C MAX	PART NUMBER
.154 Power Plug	8 AWG	8'	10 kV	75	-55	125	21094-01-A

Contacts



TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.154 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.154 [3.9]	7332-07-A

*When used with air side cable assembly. **Contacts priced and sold in packages of 10. See the Accessories section for more information on all accessories.

Weldable**ISO KF - NW16KF****ConFlat - NW16CF****ISO KF****ConFlat****.250 Power Plug****Specifications****Materials**

Housing: 304 Stainless steel
Pin: See table
Insulation: Alumina ceramic
Magnetic Materials: Yes

Voltage Rating 15 kV DC*

Current Rating See table

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C 750 PSIG (52 Bar), ISO KF 0 PSIG

*When used with air side cable assembly.

Weldable

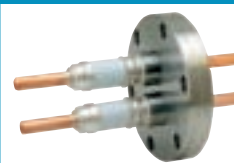


NO. PINS	AMPS	CONDUCTOR MATERIAL	INSTALLATION	PART NUMBER
1	56	Nickel	Weld	21414-07-W
1	185	Copper	Weld	21414-01-W

ISO FLANGE

1	56	Nickel	NW16KF	21308-02-KF
1	185	Copper	NW16KF	21308-01-KF
1	56	Nickel	NW40KF	21278-02-KF
1	185	Copper	NW40KF	21278-01-KF
2	56	Nickel	NW40KF	21278-04-KF
2	185	Copper	NW40KF	21278-03-KF
3	56	Nickel	NW50KF	21278-06-KF
3	185	Copper	NW50KF	21278-05-KF
4	56	Nickel	NW50KF	21278-08-KF
4	185	Copper	NW50KF	21278-07-KF

ConFlat



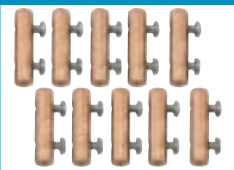
CONFLAT FLANGE					
1	56	Nickel	1 1/3" (NW16CF)		21309-02-CF
1	185	Copper	1 1/3" (NW16CF)		21309-01-CF
1	56	Nickel	2 3/4" (NW35CF)		21280-02-CF
1	185	Copper	2 3/4" (NW35CF)		21280-01-CF
2	56	Nickel	2 3/4" (NW35CF)		21280-04-CF
2	185	Copper	2 3/4" (NW35CF)		21280-03-CF
3	56	Nickel	4 1/2" (NW63CF)		21280-06-CF
3	185	Copper	4 1/2" (NW63CF)		21280-05-CF
4	56	Nickel	4 1/2" (NW63CF)		21280-08-CF
4	185	Copper	4 1/2" (NW63CF)		21280-07-CF

Air Side Cable Assembly



TYPE	CABLE TYPE	LENGTH	VOLTAGE DC	CONDUCTOR AMPS	TEMPERATURE °C MIN	TEMPERATURE °C MAX	PART NUMBER
.250 Power Plug	6 AWG	8'	25 kV	100	-55	125	20956-02-A

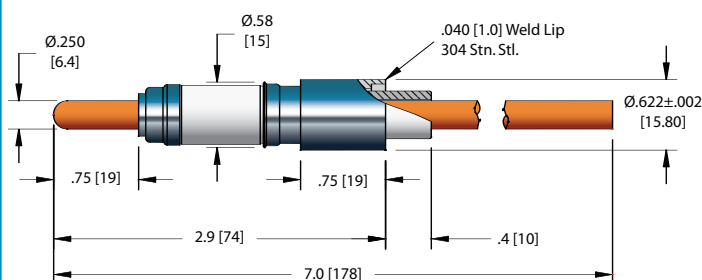
Contacts



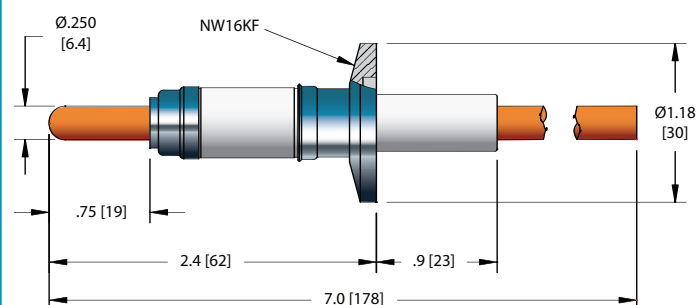
TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.250 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.250 [6.4]	7332-06-A†
0.250 Clamp Type Contacts	Copper	Accepts wire up to 0.250 [6.4]	18740-01-A

*When used with air side cable assembly. **Contacts priced and sold in packages of 10. †Shown in photo. See the Accessories section for more information on all accessories.

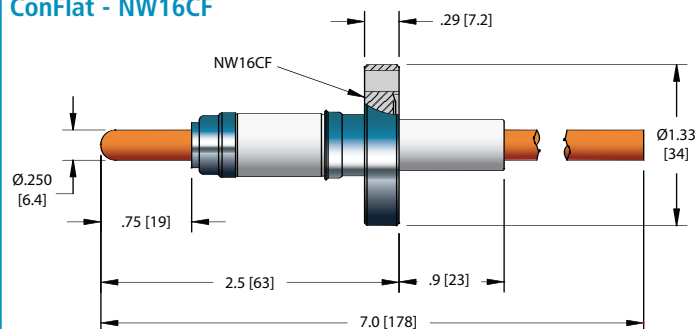
Weldable



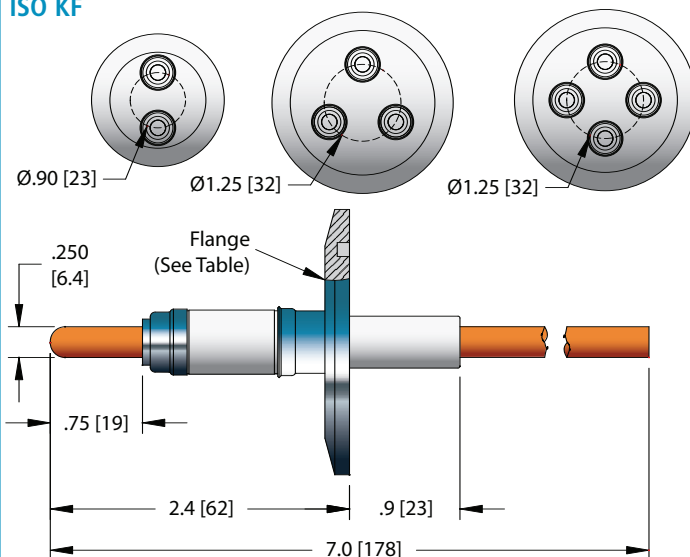
ISO KF - NW16KF



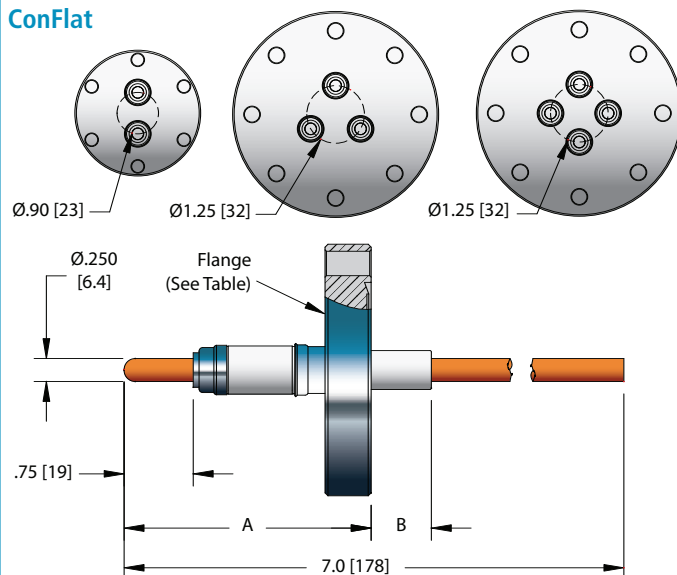
ConFlat - NW16CF



ISO KF



ConFlat



Specifications

Materials

Housing: 304 Stainless steel
Pin: See table
Insulation: Alumina ceramic
Magnetic Materials: Yes

Voltage Rating 25 kV DC*

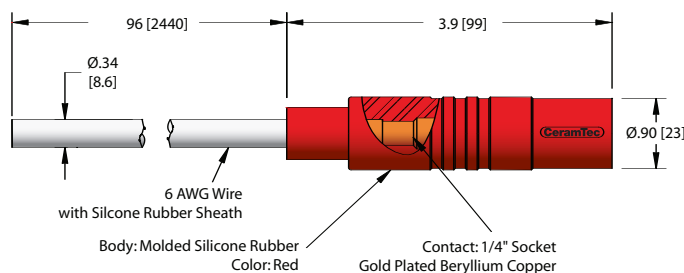
Current Rating 185 Amps

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C 750 PSIG (52 Bar), ISO KF 0 PSIG

*When used with air side cable assembly.

.250 Power Plug



Weldable



NO. PINS	CONDUCTORS AMPS	MATERIAL	INSTALLATION	DIMENSIONS A	B	PART NUMBER
1	185	Copper	Weld	-	-	20955-01-W
1	56	Nickel	Weld	-	-	20955-02-W

ISO FLANGE

1	185	Copper	NW16KF	-	-	21133-01-KF
1	56	Nickel	NW16KF	-	-	21133-02-KF
2	185	Copper	NW40KF	-	-	21149-01-KF
2	56	Nickel	NW40KF	-	-	21149-02-KF
3	185	Copper	NW50KF	-	-	21150-01-KF
3	56	Nickel	NW50KF	-	-	21150-02-KF
4	185	Copper	NW50KF	-	-	21151-01-KF
4	56	Nickel	NW50KF	-	-	21151-02-KF

CONFLAT FLANGE

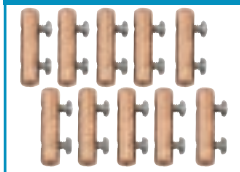
1	185	Copper	1 1/3" (NW16CF)	-	-	21130-01-CF
1	56	Nickel	1 1/3" (NW16CF)	-	-	21130-02-CF
1	185	Copper	2 3/4" (NW35CF)	2.68 [68]	.65 [17]	21144-01-CF
1	56	Nickel	2 3/4" (NW35CF)	2.68 [68]	.65 [17]	21144-02-CF
2	185	Copper	2 3/4" (NW35CF)	2.68 [68]	.65 [17]	21145-01-CF
2	56	Nickel	2 3/4" (NW35CF)	2.68 [68]	.65 [17]	21145-02-CF
3	185	Copper	4 1/2" (NW63CF)	2.87 [73]	.47 [12]	21146-01-CF
3	56	Nickel	4 1/2" (NW63CF)	2.87 [73]	.47 [12]	21146-02-CF
4	185	Copper	4 1/2" (NW63CF)	2.87 [73]	.47 [12]	21147-01-CF
4	56	Nickel	4 1/2" (NW63CF)	2.87 [73]	.47 [12]	21147-02-CF

ConFlat

Air Side
Cable Assembly

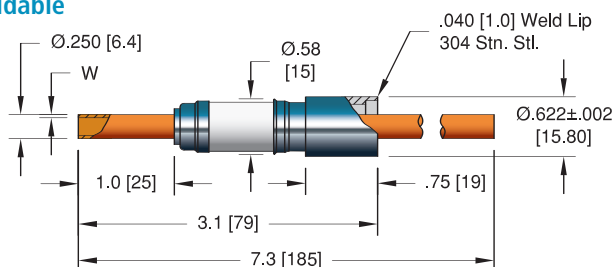
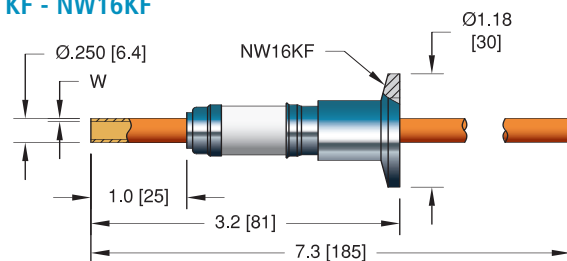
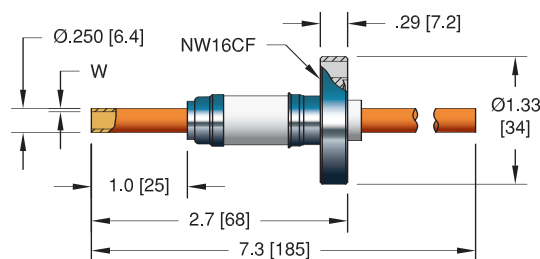
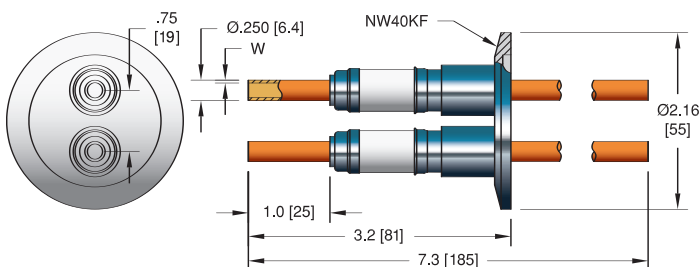
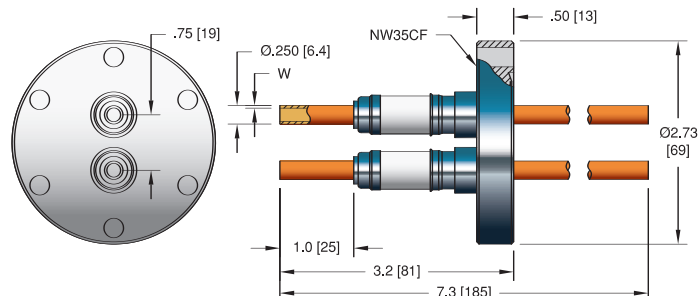
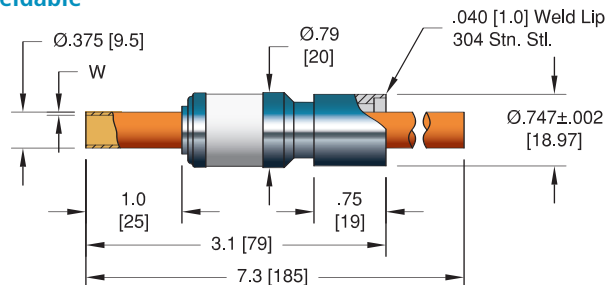
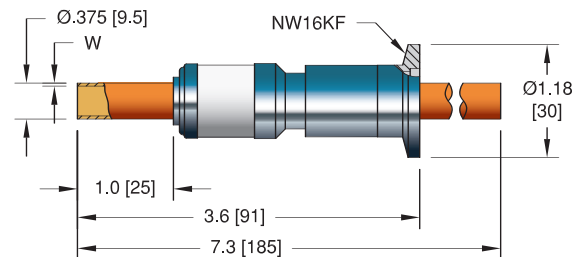
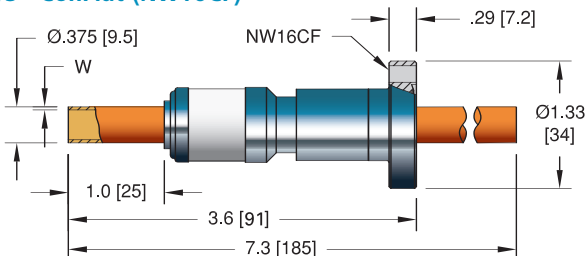
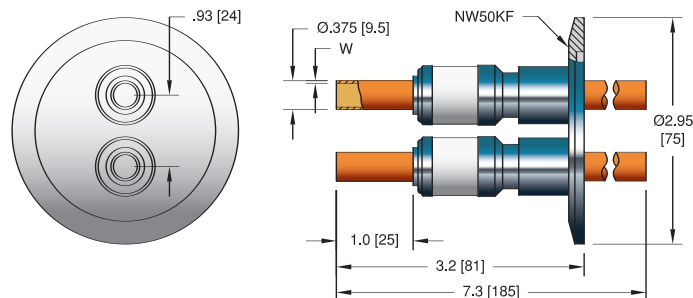
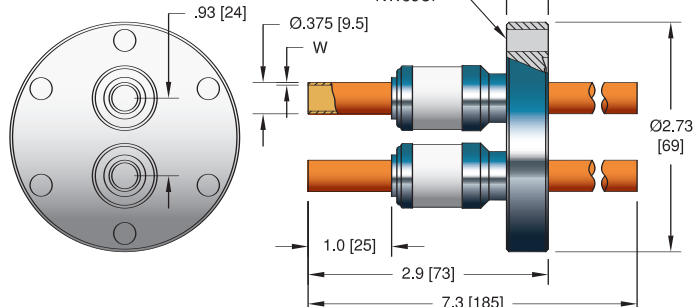
TYPE	CABLE TYPE	LENGTH	VOLTAGE DC	CONDUCTOR AMPS	TEMPERATURE °C MIN	MAX	PART NUMBER
.250 Power Plug	6 AWG	8'	25 kV	100	-55	125	20956-02-A

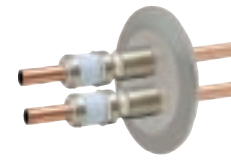
Contacts



TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.250 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.250 [6.4]	7332-06-A [†]
0.250 Clamp Type Contacts	Copper	Accepts wire up to 0.250 [6.4]	18740-01-A

*When used with air side cable assembly. **Contacts priced and sold in packages of 10. [†]Shown in photo. See the Accessories section for more information on all accessories.

**.250 [6.4] Dia. Conductor
Weldable****ISO KF - NW16KF****ConFlat - NW16CF****ISO KF - NW40KF****ConFlat - NW35CF****.375 [9.5] Dia. Conductor
Weldable****ISO KF - NW16KF****1 1/3" ConFlat (NW16CF)****ISO KF - NW50KF****ConFlat - NW35CF**

Weldable							PART NUMBER
	NO. PINS/TUBES	DIA.	CONDUCTOR W	AMPS*	MATERIAL	INSTALLATION	
	1	.250 [6.4]	.035 [0.89]	-	304 Stn. Stl. Tube	Weld	2779-06-W
	1	.250 [6.4]	.032 [0.81]	-	Copper Tube	Weld	2779-02-W
	1	.375 [9.5]	.035 [0.89]	-	304 Stn. Stl. Tube	Weld	2780-16-W
	1	.375 [9.5]	.032 [0.81]	-	Copper Tube	Weld	2780-02-W
1	.375 [9.5]	-	330	Copper	Weld	2780-01-W	
ISO FLANGE							
	1	.250 [6.4]	.035 [0.89]	-	304 Stn. Stl. Tube	NW16KF	16614-02-KF
	1	.250 [6.4]	.032 [0.81]	-	Copper Tube	NW16KF	16614-05-KF
	2	.250 [6.4]	.035 [0.89]	-	304 Stn. Stl. Tube	NW40KF	14308-06-KF
	2	.250 [6.4]	.032 [0.81]	-	Copper Tube	NW40KF	14308-05-KF
	1	.375 [9.5]	.035 [0.89]	-	304 Stn. Stl. Tube	NW16KF	17091-05-KF
	1	.375 [9.5]	.032 [0.81]	-	Copper Tube	NW16KF	17091-06-KF
	1	.375 [9.5]	-	330	Copper	NW16KF	17091-04-KF
	2	.375 [9.5]	.035 [0.89]	-	304 Stn. Stl. Tube	NW50KF	17093-05-KF
	2	.375 [9.5]	.032 [0.81]	-	Copper Tube	NW50KF	17093-06-KF
	2	.375 [9.5]	-	330	Copper	NW50KF	17093-04-KF
CONFLAT FLANGE							
	1	.250 [6.4]	.035 [0.89]	-	304 Stn. Stl. Tube	1 1/3" (NW16CF)	7161-02-CF
	1	.250 [6.4]	.032 [0.81]	-	Copper Tube	1 1/3" (NW16CF)	7161-05-CF
	1	.250 [6.4]	.035 [0.89]	-	304 Stn. Stl. Tube	2 3/4" (NW35CF)	6700-08-CF
	1	.250 [6.4]	.032 [0.81]	-	Copper Tube	2 3/4" (NW35CF)	6700-05-CF
	2	.250 [6.4]	.035 [0.89]	-	304 Stn. Stl. Tube	2 3/4" (NW35CF)	16705-04-CF
	2	.250 [6.4]	.032 [0.81]	-	Copper Tube	2 3/4" (NW35CF)	16705-02-CF
	1	.375 [9.5]	.035 [0.89]	-	304 Stn. Stl. Tube	1 1/3" (NW16CF)	17099-01-CF
	1	.375 [9.5]	.032 [0.81]	-	Copper Tube	1 1/3" (NW16CF)	17099-02-CF
	1	.375 [9.5]	-	330	Copper	1 1/3" (NW16CF)	17099-06-CF
	2	.375 [9.5]	.035 [0.89]	-	304 Stn. Stl. Tube	2 3/4" (NW35CF)	17092-05-CF
	2	.375 [9.5]	.032 [0.81]	-	Copper Tube	2 3/4" (NW35CF)	17092-06-CF
	2	.375 [9.5]	-	330	Copper	2 3/4" (NW35CF)	17092-04-CF
*Current carrying capacity of the tubular feedthroughs varies based on the coolant used and the flow rate.							
Contacts							PART NUMBER
	TYPE		MATERIAL		DESCRIPTION		
	0.250 Barrel Type Contacts		Beryllium Copper		Accepts wire up to 0.250 [6.4]		7332-06-A
	0.250 Clamp Type Contacts		Copper		Accepts wire up to 0.250 [6.4]		18740-01-A†
0.375 Clamp Type Contacts		Copper		Accepts wire up to 0.375 [9.5]		18737-01-A	
**Contacts priced and sold in packages of 10. †Shown in photo. See the Accessories section for more information on all							

Specifications

Materials

Housing: 304 Stainless steel
Pin/Tube: See table
Insulation: Alumina ceramic
Magnetic Materials: Yes

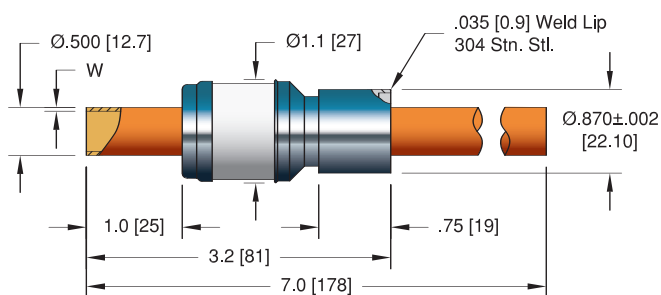
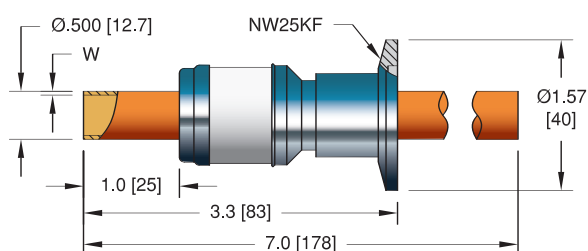
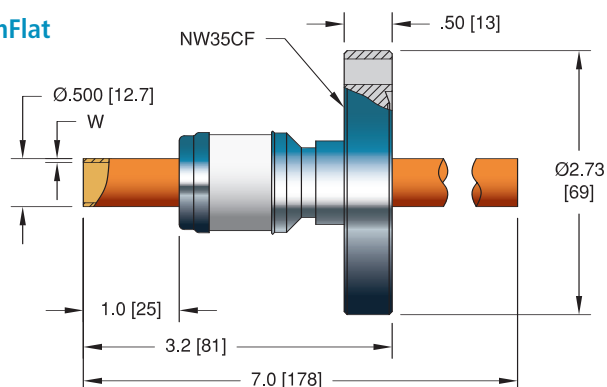
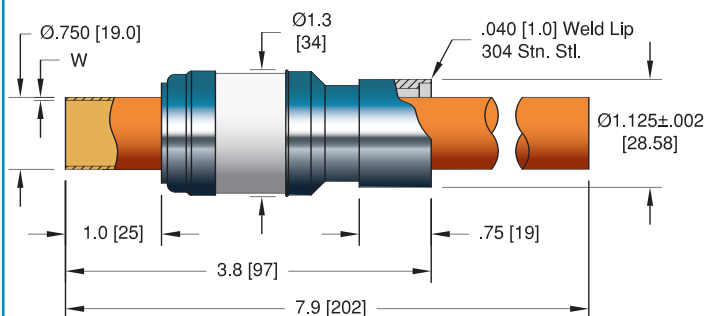
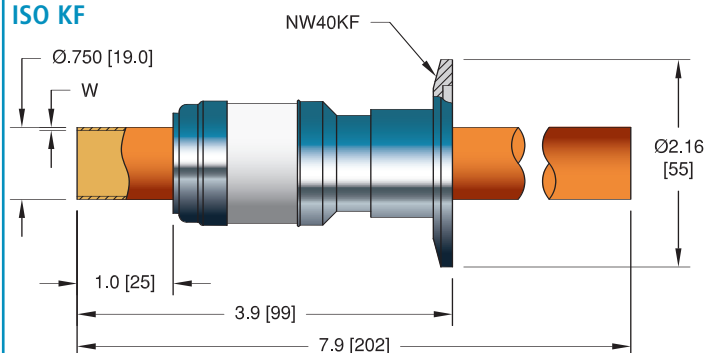
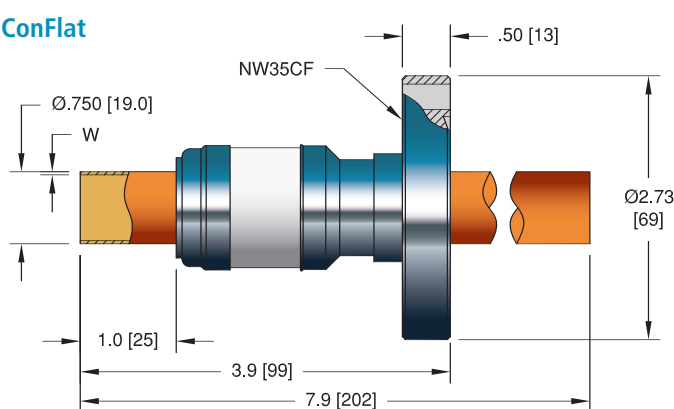
Voltage Rating 8 kV DC

Current Rating See table

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C ISO KF 0 PSIG

.250 [6.4] Dia. Conductor: 750 PSIG (52 Bar)
.375 [9.5] Dia. Conductor: 500 PSIG (34 Bar)

.500 [12.7] Dia. Conductor
Weldable**ISO KF****ConFlat****.750 [19.0] Dia. Conductor**
Weldable**ISO KF****ConFlat****Specifications****Materials**

Housing: 304 Stainless steel
Pin/Tube: See table
Insulation: Alumina ceramic
Magnetic Materials: Yes

Voltage Rating 8 kV DC

Current Rating See table

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C ISO KF 0 PSIG

.500 [12.7] Dia. Conductor: 350 PSIG (24 Bar)

.750 [19.0] Dia. Conductor: 250 PSIG (17 Bar)

Weldable



NO. PINS/TUBES	DIA.	CONDUCTOR W	AMPS*	MATERIAL	INSTALLATION	PART NUMBER
1	.500 [12.7]	.032 [0.81]	-	Copper Tube	Weld	17095-06-W
1	.500 [12.7]	-	470	Copper	Weld	17095-04-W
1	.750 [19.0]	.032 [0.81]	-	Copper Tube	Weld	2781-02-W
1	.750 [19.0]	-	800	Copper	Weld	2781-01-W

ISO FLANGE

1	.500 [12.7]	.032 [0.81]	-	Copper Tube	NW25KF	17097-06-KF
1	.500 [12.7]	-	470	Copper	NW25KF	17097-04-KF
1	.750 [19.0]	.032 [0.81]	-	Copper Tube	NW40KF	17094-06-KF
1	.750 [19.0]	-	800	Copper	NW40KF	17094-04-KF

ISO KF



ConFlat



CONFLAT FLANGE

1	.500 [12.7]	.032 [0.81]	-	Copper Tube	2 3/4" (NW35CF)	17096-06-CF
1	.500 [12.7]	-	470	Copper	2 3/4" (NW35CF)	17096-04-CF
1	.750 [19.0]	.032 [0.81]	-	Copper Tube	2 3/4" (NW35CF)	16702-03-CF
1	.750 [19.0]	-	800	Copper	2 3/4" (NW35CF)	16702-01-CF

*Current carrying capacity of the tubular feedthroughs varies based on the coolant used and the flow rate.

Contacts



TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.500 Clamp Type Contact	Copper	Accepts wire up to 0.500 [12.7]	18738-01-A
0.750 Clamp Type Contact	Copper	Accepts wire up to 0.750 [19.0]	18739-01-A†

†Shown in photo. See the Accessories section for more information on all accessories.

Specifications

Materials

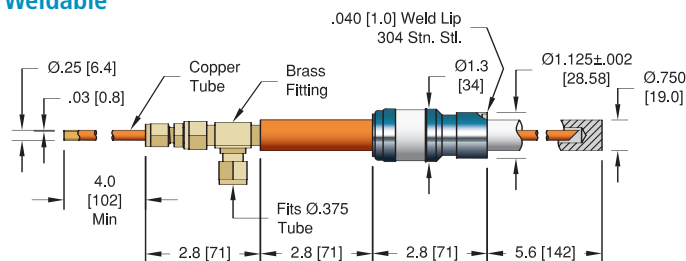
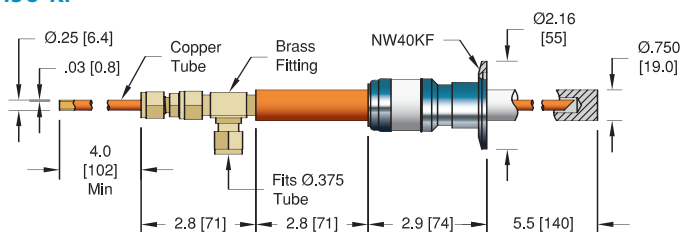
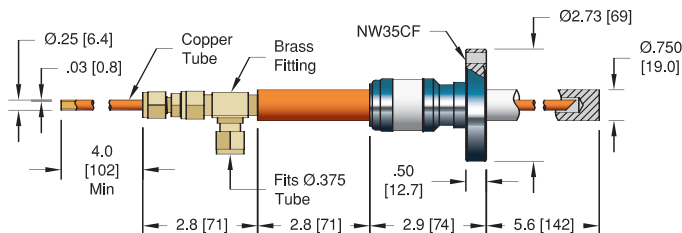
Housing: 304 Stainless steel

Tube: Tellurium copper

Fitting: Brass

Insulation: Alumina ceramic

Magnetic Materials: Yes

Voltage Rating 8 kV DC**Current Rating** 1000 Amps**Temperature Range** -269°C to 450°C, ISO KF -25°C to 205°C**Pressure @ 20°C** 250 PSIG (17 Bar), ISO KF 0 PSIG**.750 [19.0] Dia. Conductor
Weldable****ISO KF****ConFlat**

Weldable



CONDUCTOR AMPS	MATERIAL	INSTALLATION	VOLTAGE DC	PART NUMBER
1000	Tellurium Copper	Weld	8 kV	17110-01-W

ISO FLANGE

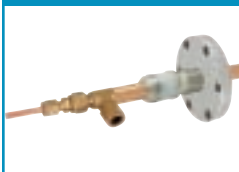
ISO KF



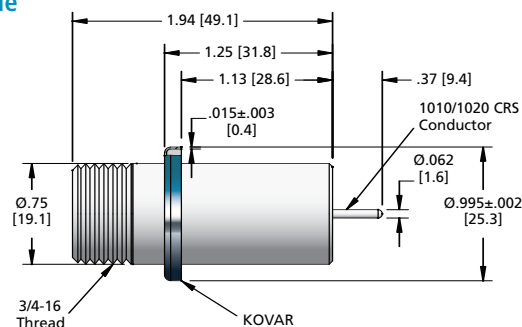
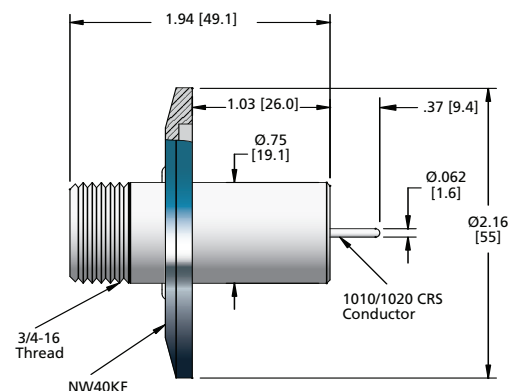
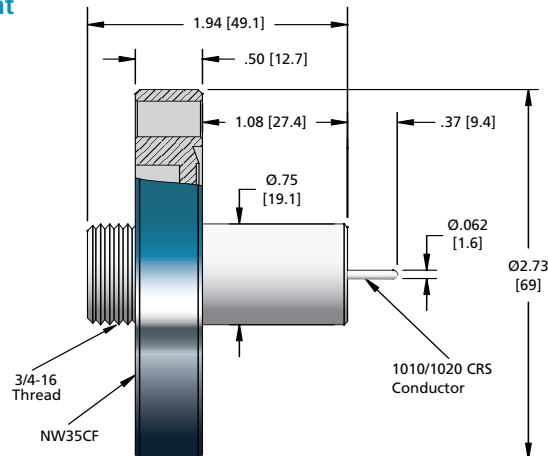
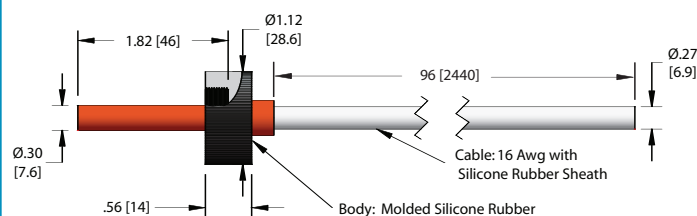
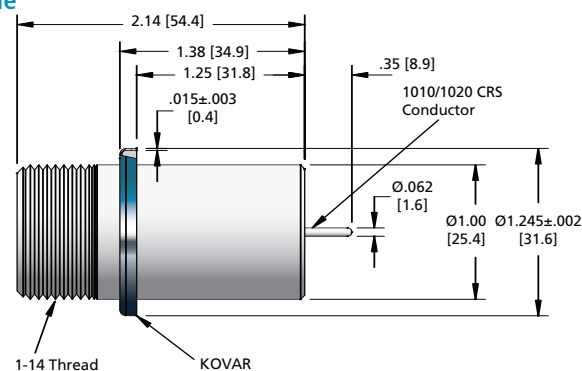
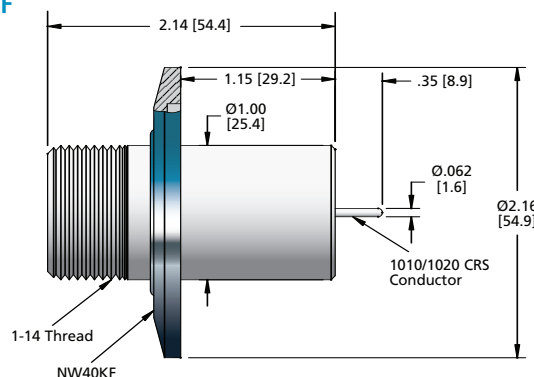
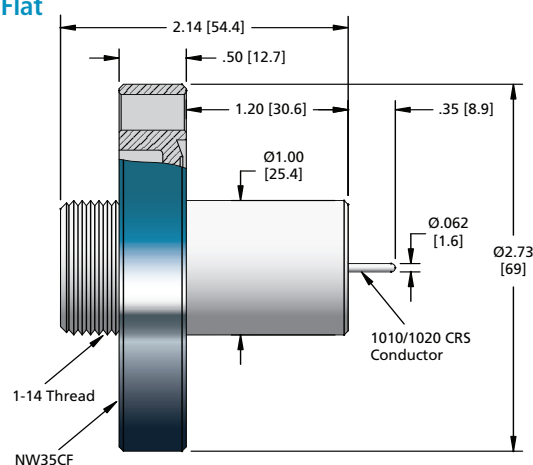
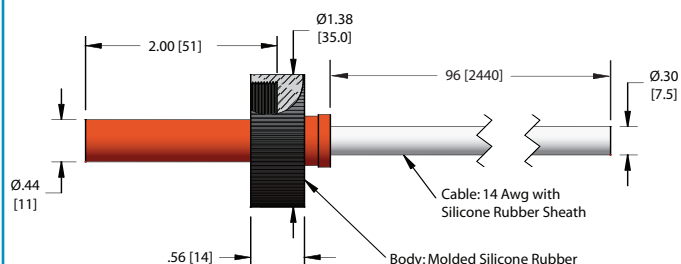
1000	Tellurium Copper	NW40KF	8 KV	17111-01-KF
------	------------------	--------	------	-------------

CONFLAT FLANGE

ConFlat



1000	Tellurium Copper	2 3/4" (NW35CF)	8 KV	17112-01-CF
------	------------------	-----------------	------	-------------

**40 KV Single Pin
Weldable****ISO KF****ConFlat****40 KV Cable Assembly****50 KV Single Pin
Weldable****ISO KF****ConFlat****50 KV Cable Assembly**



INSTALLATION	VOLTAGE DC	PART NUMBER
Weld	40 kV	21191-01-W
Weld	50 kV	21183-01-W



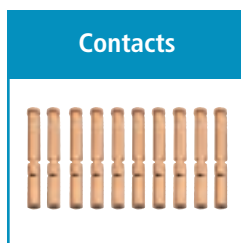
ISO FLANGE		
NW40KF	40 kV	21117-01-KF
NW40KF	50 kV	21185-01-KF



CONFLAT FLANGE		
2 3/4" (NW35CF)	40 kV	21194-01-CF
2 3/4" (NW35CF)	50 kV	21184-01-CF



VOLTAGE DC	CABLE TYPE	LENGTH	CURRENT CAPACITY	TEMPERATURE °C MIN	TEMPERATURE °C MAX	PART NUMBER
40 kV	16 AWG	8'	10 Amps	-55	125	21034-01-A
50 kV	14 AWG	8'	10 Amps	-55	125	21112-01-A



TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.062 Crimp Contacts	Beryllium Copper	Accepts wire up to 0.062 [1.6]	2044-02-A†
0.062 Crimp Contacts	Nickel Alloy	Accepts wire up to 0.062 [1.6]	0821-01-A
0.062 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.062 [1.6]	7332-03-A
Crimp Tool		For 0.025" - 0.075" Crimp Diameters	2840-05

**Contacts priced and sold in packages of 10. †Shown in photo. See the Accessories section for more information on all accessories.

Specifications - 40 KV Single Pin

Materials

Housing: Kovar
Pin: Cold Rolled Steel (Nickel plated)
Insulation: Alumina ceramic
Magnetic Materials: Yes

Voltage Rating 40 kV DC*

Current Rating 10 Amps

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C 400 PSIG (28 Bar), ISO KF 0 PSIG

Specifications - 50 KV Single Pin

Materials

Housing: Kovar
Pin: Cold Rolled Steel (Nickel plated)
Insulation: Alumina ceramic
Magnetic Materials: Yes

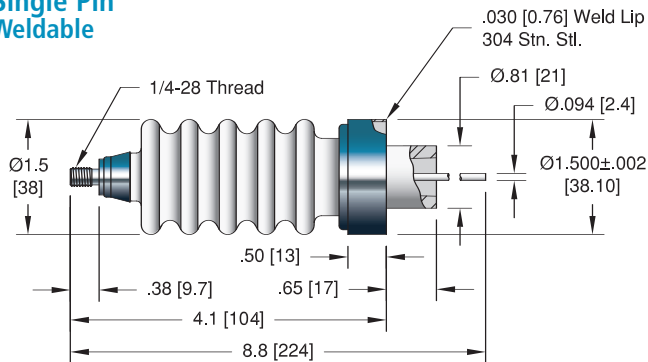
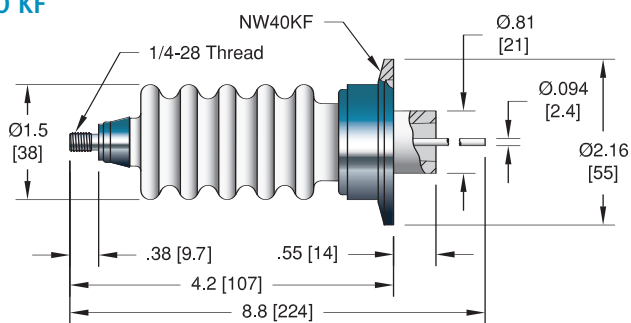
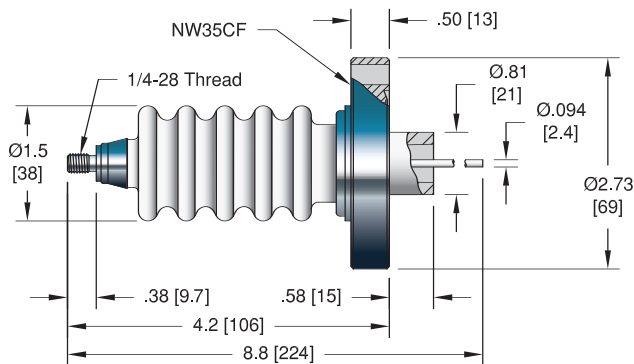
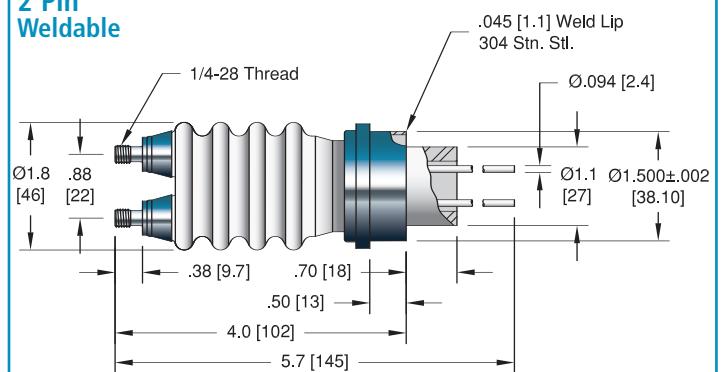
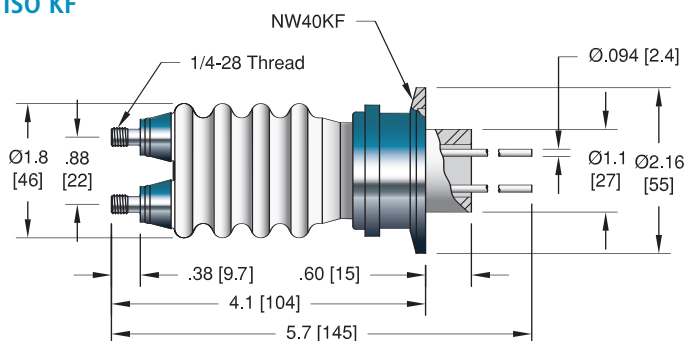
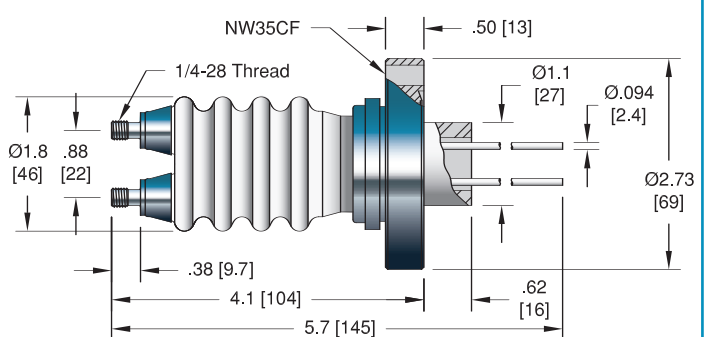
Voltage Rating 50 kV DC*

Current Rating 10 Amps

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C 400 PSIG (28 Bar), ISO KF 0 PSIG

*When used with air side cable assembly. The use of silicone insulating grease is recommended for the air side cable assembly to feedthrough interface.

**Single Pin
Weldable****ISO KF****ConFlat****2 Pin
Weldable****ISO KF****ConFlat****Specifications****Materials**

Housing: 304 Stainless steel
 Pin: 304 Stainless steel
 Insulation: Alumina ceramic
 Magnetic Materials: Yes

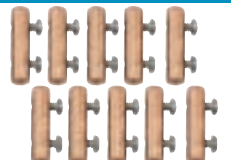
Voltage Rating 30 kV DC

Current Rating 4 Amps per pin

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

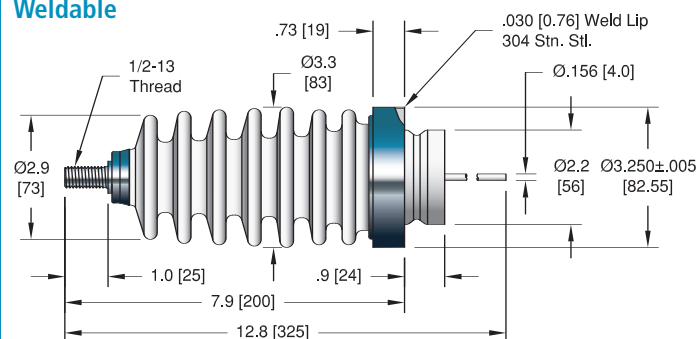
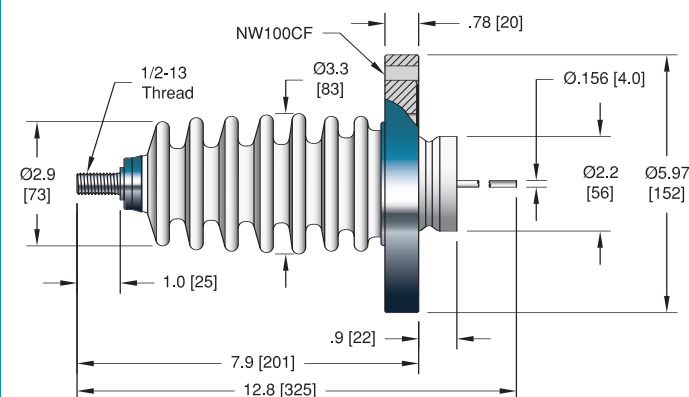
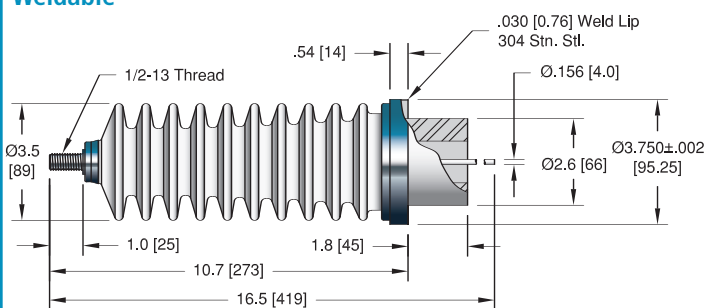
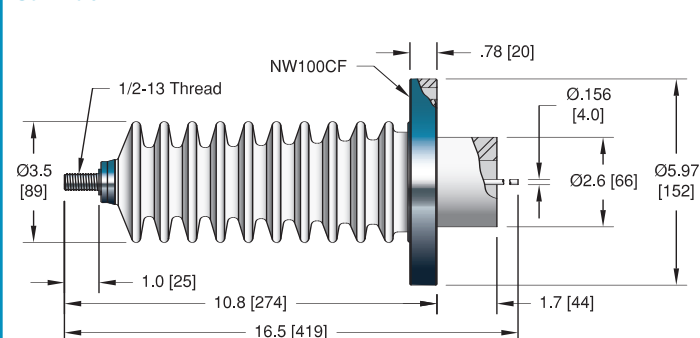
Pressure @ 20°C 250 PSIG (17 Bar), ISO KF 0 PSIG



Weldable Single Pin 	<table><tr><th>NO. PINS</th><th>CONDUCTORS AMPS</th><th>MATERIAL</th><th>INSTALLATION</th><th>VOLTAGE DC</th><th>PART NUMBER</th></tr><tr><td>1</td><td>4</td><td>304 Stn. Stl.</td><td>Weld</td><td>30 kV</td><td>6530-03-W</td></tr></table>	NO. PINS	CONDUCTORS AMPS	MATERIAL	INSTALLATION	VOLTAGE DC	PART NUMBER	1	4	304 Stn. Stl.	Weld	30 kV	6530-03-W				
NO. PINS	CONDUCTORS AMPS	MATERIAL	INSTALLATION	VOLTAGE DC	PART NUMBER												
1	4	304 Stn. Stl.	Weld	30 kV	6530-03-W												
ISO KF Single Pin 	<table><tr><th colspan="6">ISO FLANGE</th></tr><tr><td>1</td><td>4</td><td>304 Stn. Stl.</td><td>NW40KF</td><td>30 kV</td><td>17100-01-KF</td></tr></table>	ISO FLANGE						1	4	304 Stn. Stl.	NW40KF	30 kV	17100-01-KF				
ISO FLANGE																	
1	4	304 Stn. Stl.	NW40KF	30 kV	17100-01-KF												
ConFlat Single Pin 	<table><tr><th colspan="6">CONFLAT FLANGE</th></tr><tr><td>1</td><td>4</td><td>304 Stn. Stl.</td><td>2 3/4" (NW35CF)</td><td>30 kV</td><td>16729-03-CF</td></tr></table>	CONFLAT FLANGE						1	4	304 Stn. Stl.	2 3/4" (NW35CF)	30 kV	16729-03-CF				
CONFLAT FLANGE																	
1	4	304 Stn. Stl.	2 3/4" (NW35CF)	30 kV	16729-03-CF												
Weldable 2 Pin 	<table><tr><td>2</td><td>4</td><td>304 Stn. Stl.</td><td>Weld</td><td>30 kV</td><td>6532-05-W</td></tr></table>	2	4	304 Stn. Stl.	Weld	30 kV	6532-05-W										
2	4	304 Stn. Stl.	Weld	30 kV	6532-05-W												
ISO KF 2 Pin 	<table><tr><th colspan="6">ISO FLANGE</th></tr><tr><td>2</td><td>4</td><td>304 Stn. Stl.</td><td>NW40KF</td><td>30 kV</td><td>17103-03-KF</td></tr></table>	ISO FLANGE						2	4	304 Stn. Stl.	NW40KF	30 kV	17103-03-KF				
ISO FLANGE																	
2	4	304 Stn. Stl.	NW40KF	30 kV	17103-03-KF												
ConFlat 2 Pin 	<table><tr><th colspan="6">CONFLAT FLANGE</th></tr><tr><td>2</td><td>4</td><td>304 Stn. Stl.</td><td>2 3/4" (NW35CF)</td><td>30 kV</td><td>16764-06-CF</td></tr></table>	CONFLAT FLANGE						2	4	304 Stn. Stl.	2 3/4" (NW35CF)	30 kV	16764-06-CF				
CONFLAT FLANGE																	
2	4	304 Stn. Stl.	2 3/4" (NW35CF)	30 kV	16764-06-CF												
Contacts 	<table><tr><th>TYPE</th><th>MATERIAL</th><th>DESCRIPTION</th><th>PART NUMBER</th></tr><tr><td>0.094 Set Screw Type Contacts</td><td>Beryllium Copper</td><td>Accepts wire up to 0.050 [1.3]</td><td>7429-01-A</td></tr><tr><td>0.094 Barrel Type Contacts</td><td>Beryllium Copper</td><td>Accepts wire up to 0.094 [2.4]</td><td>7332-04-A[†]</td></tr><tr><td>Crimp Tool</td><td></td><td>For 0.025" - 0.075" Crimp Diameters</td><td>2840-05</td></tr></table>	TYPE	MATERIAL	DESCRIPTION	PART NUMBER	0.094 Set Screw Type Contacts	Beryllium Copper	Accepts wire up to 0.050 [1.3]	7429-01-A	0.094 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.094 [2.4]	7332-04-A [†]	Crimp Tool		For 0.025" - 0.075" Crimp Diameters	2840-05
TYPE	MATERIAL	DESCRIPTION	PART NUMBER														
0.094 Set Screw Type Contacts	Beryllium Copper	Accepts wire up to 0.050 [1.3]	7429-01-A														
0.094 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.094 [2.4]	7332-04-A [†]														
Crimp Tool		For 0.025" - 0.075" Crimp Diameters	2840-05														

*Contacts priced and sold in packages of 10. [†]Shown in photo. See the Accessories section for more information on all

*Contacts priced and sold in packages of 10. [†]Shown in photo. See the Accessories section for more information on all accessories.

**DC Voltage: 70 kV
Weldable****ConFlat****DC Voltage: 100 kV
Weldable****ConFlat****Specifications - 70 kV****Materials**

Housing: 304 Stainless steel
 Conductor: 304 Stainless steel
 Insulation: Alumina ceramic
 Magnetic Materials: Yes

Voltage Rating 70 kV DC

Current Rating 6.5 Amps

Temperature Range -269°C to 450°C

Pressure @ 20°C 125 PSIG (8.6 Bar), ISO KF 0 PSIG

Specifications - 100 kV**Materials**

Housing: 304 Stainless steel
 Conductor: 304 Stainless steel
 Insulation: Alumina ceramic
 Magnetic Materials: Yes

Voltage Rating 100 kV DC

Current Rating 6.5 Amps

Temperature Range -269°C to 450°C

Pressure @ 20°C 125 PSIG (8.6 Bar), ISO KF 0 PSIG

**Weldable
70 KV DC**

CONDUCTORS AMPS	MATERIAL	INSTALLATION	VOLTAGE DC	PART NUMBER
6.5	304 Stn. Stl.	Weld	70 kV	6526-01-W

CONFLAT FLANGE**ConFlat
70 KV DC**

6.5	304 Stn. Stl.	6" (NW100CF)	70 kV	7884-01-CF
-----	---------------	--------------	-------	------------

**Weldable
100 KV DC**

6.5	304 Stn. Stl.	Weld	100 kV	6523-01-W
-----	---------------	------	--------	-----------

CONFLAT FLANGE**ConFlat
100 KV DC**

6.5	304 Stn. Stl.	6" (NW100CF)	100 kV	6722-01-CF
-----	---------------	--------------	--------	------------