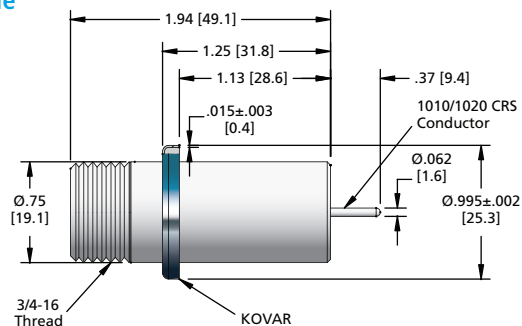
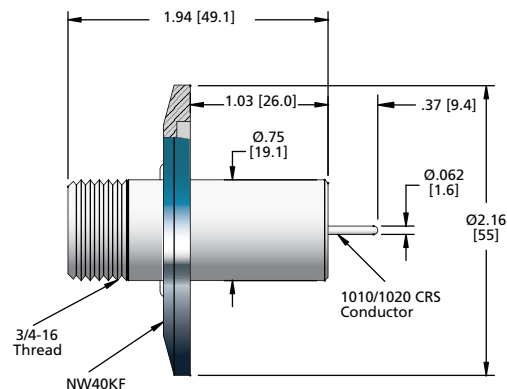
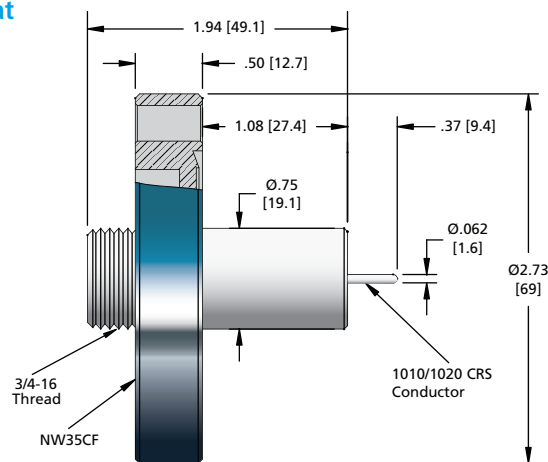
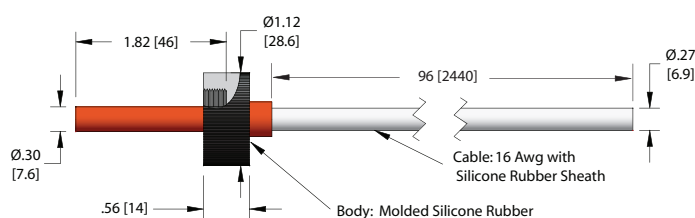
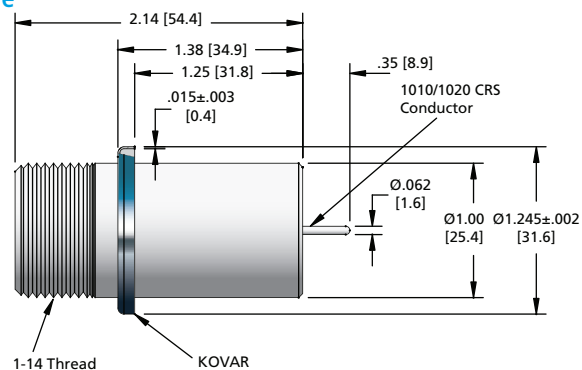
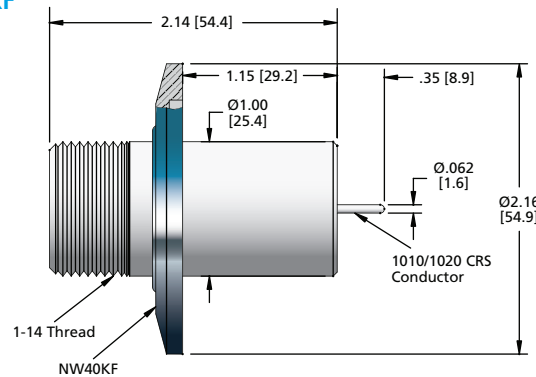
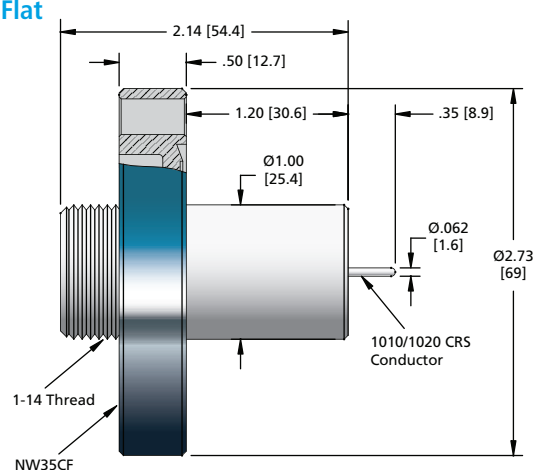
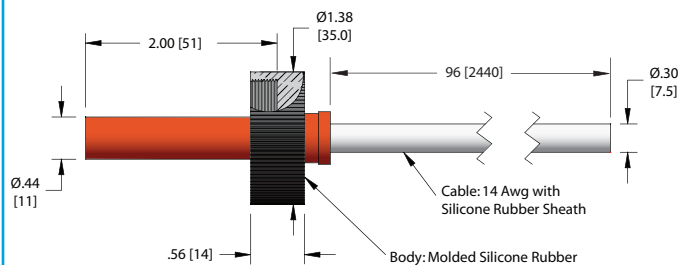
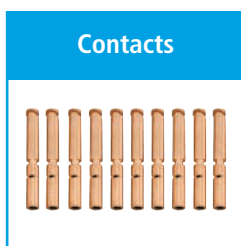
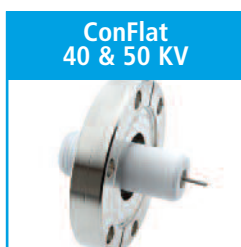


**40 KV Single Pin
Weldable****ISO KF****ConFlat****40 KV Cable Assembly****50 KV Single Pin
Weldable****ISO KF****ConFlat****50 KV Cable Assembly**



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.

Feedthrough

Multipin Connector

Coaxial

Thermocouple

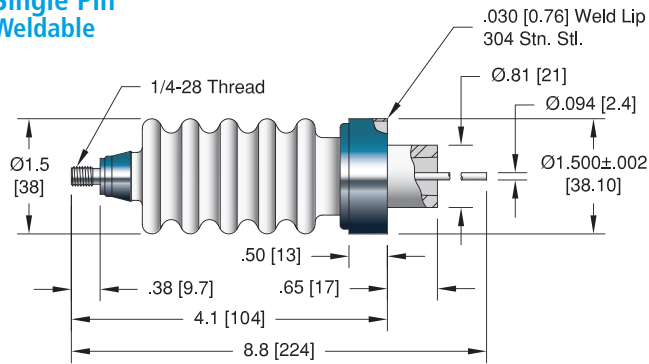
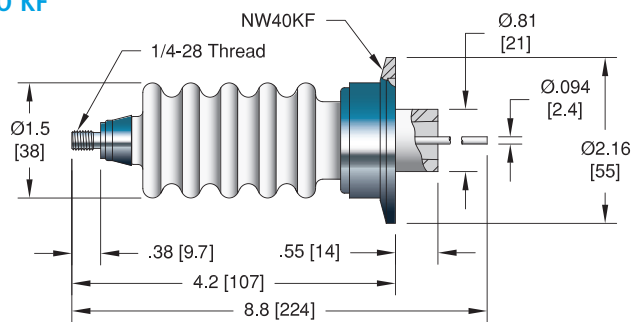
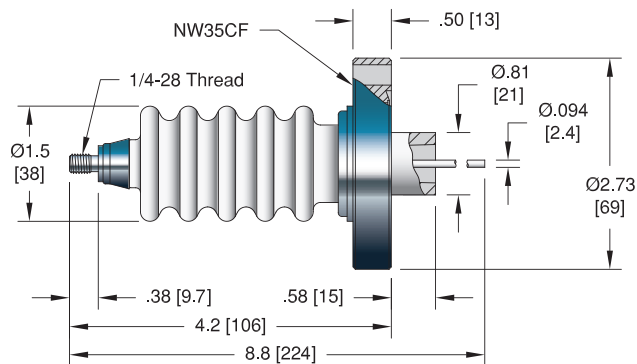
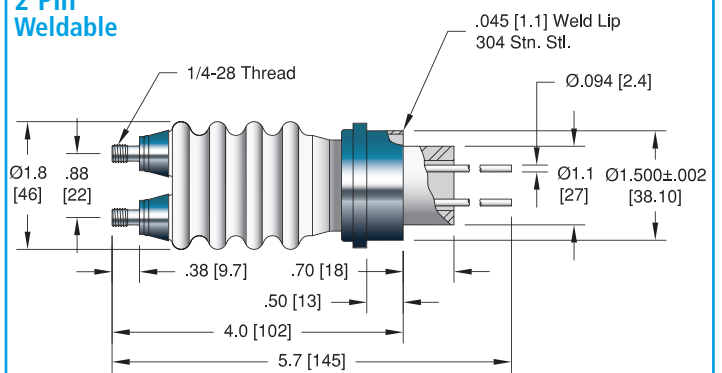
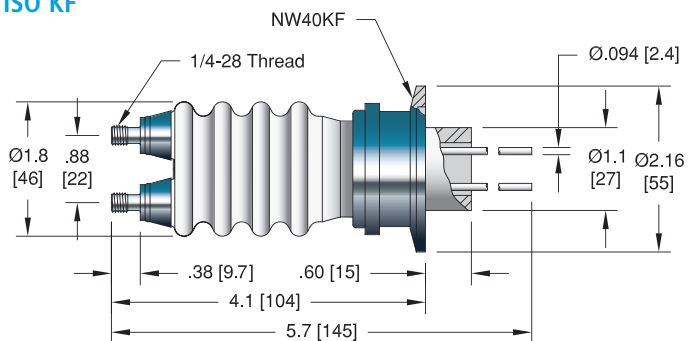
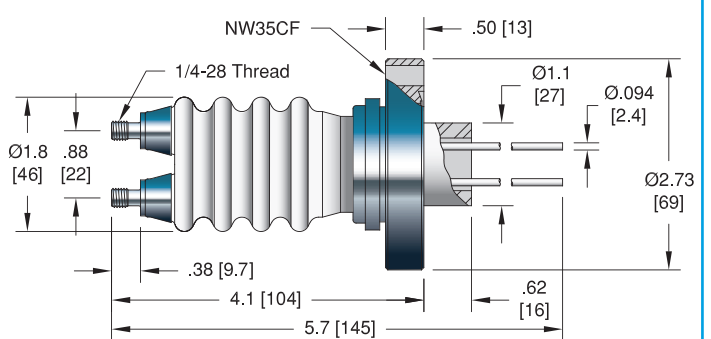
Isolator

Viewport

Pressure

Accessories

Technical Reference

**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 PinNO.
PINSCONDUCTORS
AMPS

MATERIAL

INSTALLATION

VOLTAGE
DCPART
NUMBER

1

4

304 Stn. Stl.

Weld

30 kV

6530-03-W

ISO FLANGE

1

4

304 Stn. Stl.

NW40KF

30 kV

17100-01-KF

ISO KF
Single Pin

CONFLAT FLANGE

1

4

304 Stn. Stl.

2 3/4" (NW35CF)

30 kV

16729-03-CF

ConFlat
Single PinWeldable
2 Pin

2

4

304 Stn. Stl.

Weld

30 kV

6532-05-W

ISO FLANGE

2

4

304 Stn. Stl.

NW40KF

30 kV

17103-03-KF

ISO KF
2 Pin

CONFLAT FLANGE

2

4

304 Stn. Stl.

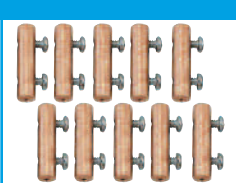
2 3/4" (NW35CF)

30 kV

16764-06-CF

ConFlat
2 Pin

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

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

Feedthrough

Multipin Connector

Coaxial

Thermocouple

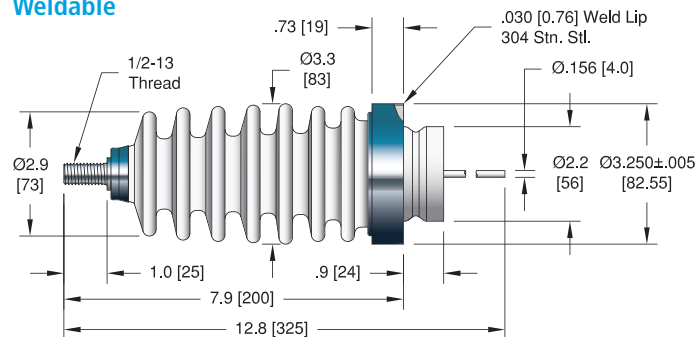
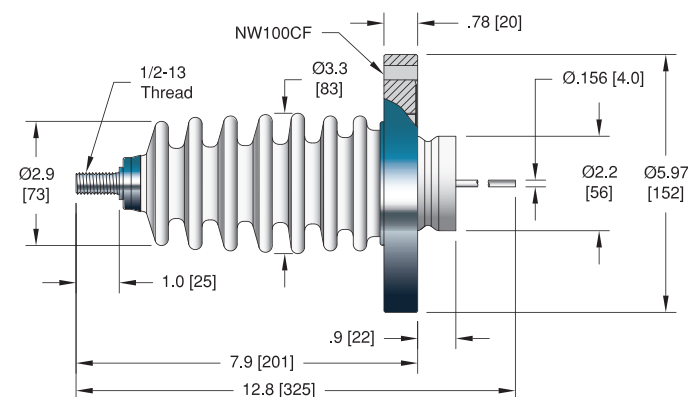
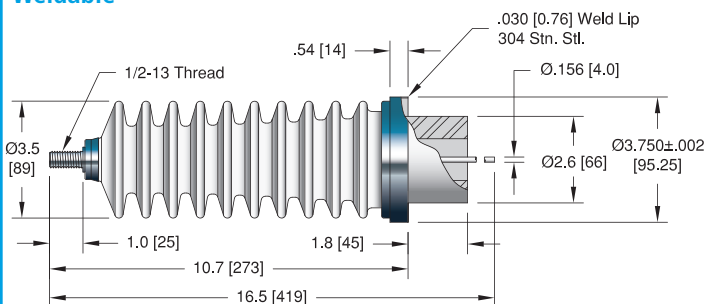
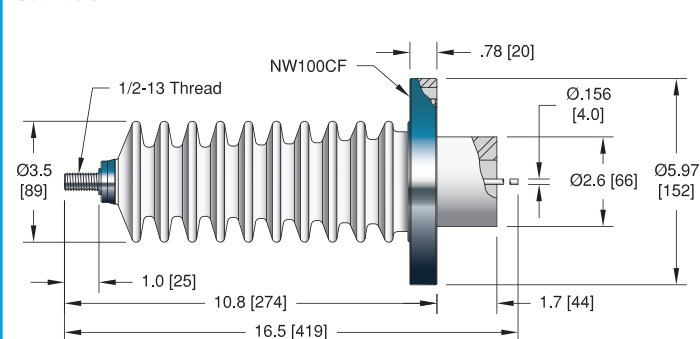
Isolator

Viewport

Pressure

Accessories

Technical Reference

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

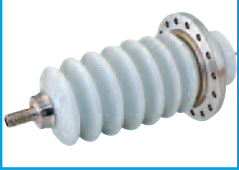
Weldable
70 KV DC



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
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Weldable
100 KV DC



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

ConFlat
100 KV DC



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

Multipin Connector

Coaxial

Thermocouple

Isolator

Viewport

Pressure

Accessories

Technical Reference