MIRION TECHNOLOGIES

Mirion Technologies (Conax Nuclear), Inc.

CONAX NUCLEAR

ECSA

Electric Conductor Seal Assembly

Featuring: conax nuclear

FEATURES

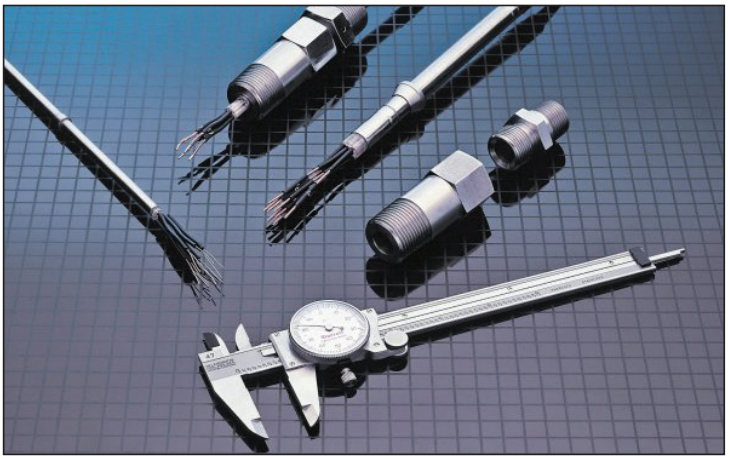
- Metal-to-metal sealing technology
- Solid copper conductors from end to end
- No internal splicing
- No epoxies
- Stainless steel sealing components
- Technical and engineering support

APPLICATIONS

- Resistance Temperature Detector
- Thermocouples
- Limit switches
- Solenoid valves
- Pressure transmitters
- Motor operater valves
- Level sensors
- Any Class 1E devices requiring sealed conductors

DESCRIPTION

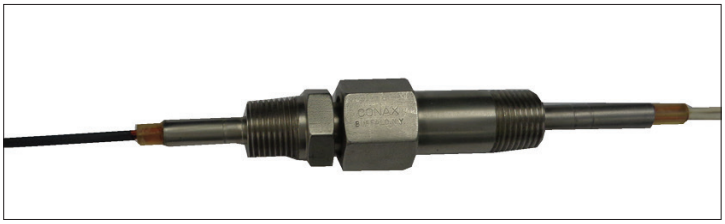
Mirion Technologies (Conax Nuclear)'s Electric Conductor Seal Assemblies (ECSA) allow a method of interfacing with customer's equipment and can be used anywhere sealing of conductors is required, inside or outside containment. Mirion has supplied over 35,000 ECSAs to nuclear power plants worldwide.



ECSA | ELECTRIC CONDUCTOR SEAL ASSEMBLY

QUALIFICATIONS

- Qualified by test to the current standards of IEEE-317, IEEE-323, IEEE-344 and IEEE-572
- Quality Assurance Program meets the requirements of 10CFR50, Appendix B, and ANSI/ASME NQA-1



Electric Conductor Seal Assembly (ECSA)

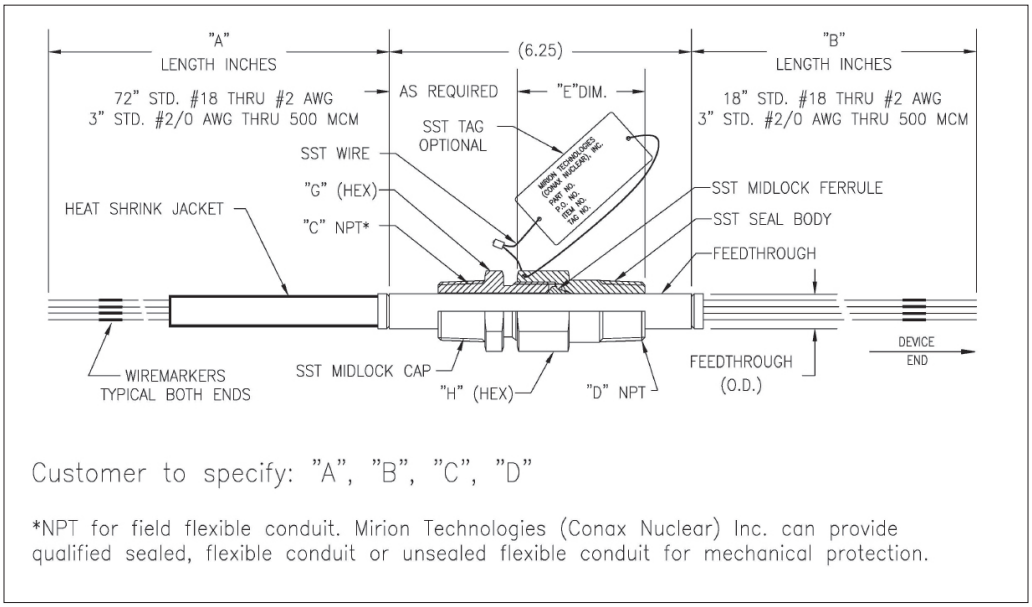


Diagram of Electric Conductor Seal Assembly (ECSA)

Standard ECSA Feedthrough Density Table

Conductor size	Maximum number of conductors per feedthrough size				Rated continuous current (Amps)
	0.375"	0.500"	0.750"	1.000"	
#18AWG	4	12	30	42	-
#16AWG	4	6	20	36	11
#14AWG	2	4	20	30	12
#12AWG	-	4	13	24	16
#10AWG	-	4	9	19	22
#8AWG	-	-	6	12	28
#6AWG	-	-	4	9	41
#4AWG	-	-	3	6	55
#2AWG	-	-	-	3	74
#2/0 AWG	-	-	1	1	116
250 MCM	-	-	-	1	174
500 MCM	-	-	-	1	270
Coaxial/Triaxial	-	-	1	1	-

*At 135 °F (57 °C)
Single circuit application only

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