



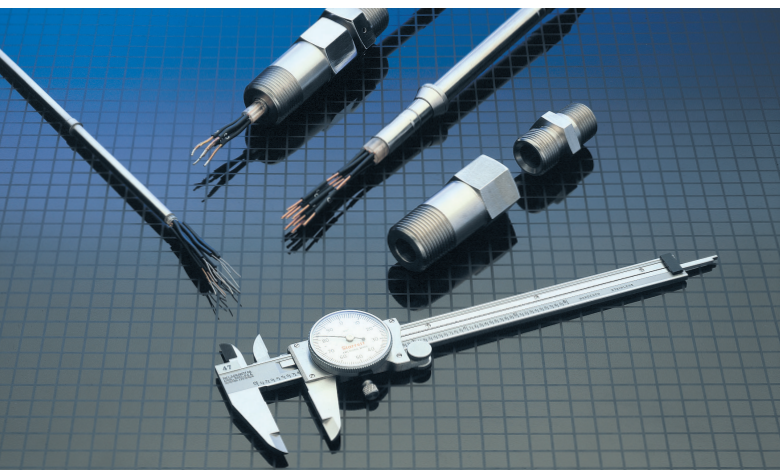
ECSA

Electric Conductor Seal Assembly



DESCRIPTION

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



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 Detectors
- ✓ Thermocouples
- ✓ Limit switches
- ✓ Solenoid valves
- ✓ Pressure transmitters
- ✓ Motor operated valves
- ✓ Level sensors
- ✓ Works with any Class 1E devices requiring sealed conductors

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)

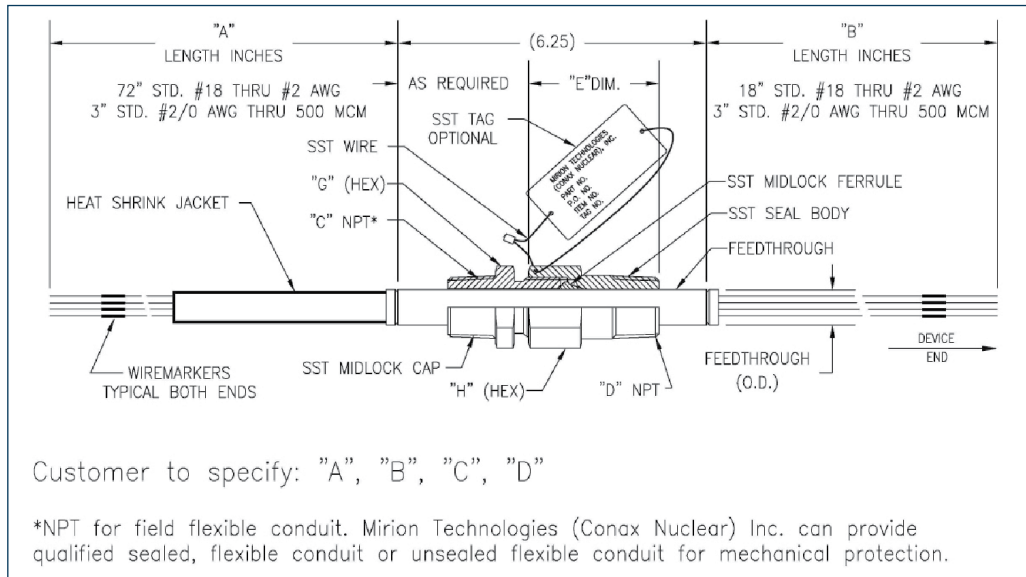


Diagram of Electric Conductor Seal Assembly (ECSA)

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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