

Compact Splice

for CANDU Applications

CURTISS - WRIGHT

Nuclear Power Products and Services



Product Description

The EGS Compact Splice is a light-weight, simple solution to single-conductor splicing needs. This splice can be installed, in plant, with little training and the use of a crimp tool and heat gun. The EGS Compact Splice has been CSA qualified for use with both solid conductor and stranded wire.

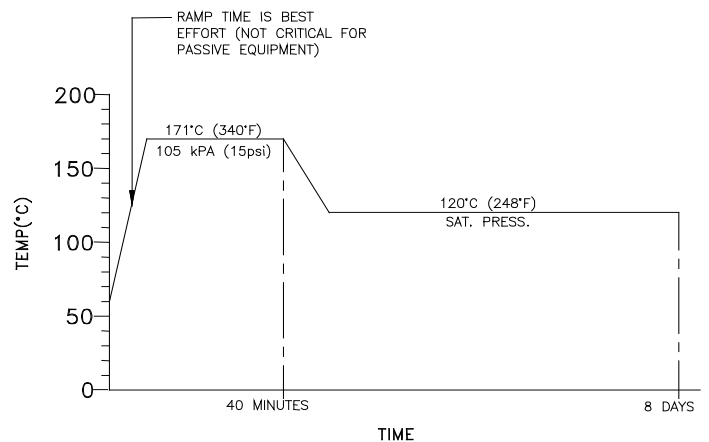
Qualification Levels

- Qualified life: 40 years at 62.6°C (150°F)
- Radiation: tested to 8.31E7 rads gamma
- LOCA: tested to 171°C (340°F) and 15.2 psig (206.2 kPa)

Qualification Standards

Successfully qualified by test (EGS-TR-23023-03) for ≤600 volt applications in harsh CANDU environments, in accordance with:

- 10CFR50.49
- IEEE 323-1974/83
- IEEE 383-1974
- NRC Regulatory Guide 1.89
- ANSI N45.2
- 10CFR50/Appendix B
- 10CFR21
- NQA-1



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Installation

Installation of the EGS Compact Splice is a quick and easy process:

1. Strip conductors indicated length per table.
2. Insert conductors into compression connector. Wire insulation O.D. must be smaller than heat shrink I.D.
3. Crimp compression connector with crimp tool.
4. Shrink tubing with heat gun until fully recovered and clear sealant is visible at ends.
5. Refer to EGS Drawing B-N-23023-0001-01 for complete installation instructions. Tool kit P/N: 23023-CT containing the Crimp tool, all dies and GO/NO-GO gauges in a hard side case. This tool kit is required for installation.

How to Order

EGS Part Number	Wire Range (AWG)	Conductor Strip Length (Inches)*	EGS Die for Astro Crimp tool P/N 620175	Insulation Use Range (Inches)
23023-55824**	22 – 18	5/16	23023-03-22/18	0.080 - 0.170
23023-55825	16 – 14	5/16	23023-03-16/14	0.090 - 0.190
23023-55826	12 – 10	3/8	23023-03-12/10	0.120 - 0.240
23023-55845	8	3/8	23023-03-08	0.180 - 0.310

*Nominal

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