

Specialty Cable Assembly

**CURTISS -
WRIGHT**

Nuclear Power Products and Services



Product Description

Curtiss-Wright Nuclear provides Class 1E Specialty Cable Assemblies for use inside or outside containment in nuclear power plants. The Specialty Cable Assembly is qualified for the following functions:

- In-Core Instrumentation (ICI)
- Heated Junction Thermocouple (HJTC)
- Control Element Drive Mechanism (CEDM) Power
- Air Handling Unit (AHU) Fan Power and Instrumentation
- Reed Switch Position Transmitter (RSPT)
- Core Exit Thermocouple (CET)
- Control Rod Drive Mechanism (CRDM)
- In-Core Neutron Monitoring/Self-Powered Neutron Detector (SPND)
- Penetration Connections

Design Features

- Mate to existing plugs/receptacles
- Generic qualification to environmental and seismic environments
- Can utilize Veam, Bendix, Amphenol, or other connectors
- Replaces NSSS or A/E supplied cable assemblies
- Mineral insulated (MI) cable assemblies available
- Fiber optic cable assemblies available

Qualification Levels

- Qualified Life: 40 years at 170°F
- Radiation: 2E8 rads
- LOCA: tested to 380°F/70 psig (193.33°C/584.0 kPa), chemical spray and 100% R.H.

Qualification Standards

Successfully qualified by test in accordance with:

- IEEE 323
- IEEE 344
- IEEE 572

How to Order

Cables are custom made per order. Contact EGS product engineering for inquiries.

CONTACT INFORMATION:

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TD - 320 - 09.2024 - EGS