

EGS Electrical Connection Products

QualTech NP is the utility industry leader in the supply of safety-related electrical connection products to improve efficiency and safety of operations.

Specialty Cable Assemblies

- Class 1E, Non-1E
- IEEE Qualified; EQ and Seismic
- Fiber optic assemblies available
- Replaces NSSS and A&E supplied connectors

Electrical Penetration Assemblies (EPA)

- IEEE Qualified; LOCA, Radiation, Seismic
- ASME NPT

Conduit Seals - Mechanical and Electrical

- IEEE Qualified; LOCA, Radiation, Seismic
- Electrical Conduit Seal Assemblies (ECSA)
 - Dual Anti-moisture Environmental Seal
- Hi/Lo Pressure Seals
 - For seal tables
- Conduit Seal - allows for use of most equipment lead wires

Connectors

- Provide value added feature to OEM equipment
- Reduce time a device to achieve ALARA goals
- Reduce maintenance and outage costs

Quick Disconnect Connectors (QDC)

- 1/2", 3/4", 1 1/2"; Bayonet or Hex nut style
- IEEE Qualified; LOCA / HELB, Radiation, Vibration, Seismic

Aluminum Quick Disconnect Electrical Connectors

- 1/2", 3/4"
- IEEE Qualified; HELB, Radiation, Vibration, Seismic
- EPDM o-ring, PEI insulator, gold-plated contacts

GRAYBOOT Connector Series

- GRAYBOOT and GRAYBOOT "A" Connectors
 - Push/pull quick connect/disconnect
 - IEEE Qualified for power, control and instrumentation circuits in harsh environments; LOCA, Radiation, Seismic
 - Small size for use in conduit and instrument enclosures
 - Equivalent to nuclear grade heat shrink splice
- GRAYBOOT Mounting Rack
 - Multi-splice mechanical device organizes GRAYBOOT splices
 - IEEE Qualified



Quality Standards:

- ASME NPT, class 1, 2, 3, CS, MC,CC
- ASME NQA
- IEEE 323, 344, 382, 383, 572
- 10CFR21
- 10CFR50, Appendix B
- 10CFR50.49
- ANSI 45.2
- TSSA Certified, Category A, C, E, H fittings to CSA B51
- CSA Registered
- TSSA Registered
- NUPIC Audited

BlueBoot Non-Safety Connector Series (including Coaxial)

- Compact, easy-to-install design
- 1000V rating up to 23 amps
- High insulation resistance; Low current leakage

Hard Line Connectors

- For core exit thermocouples and MI cable applications
- Push/pull quick connect/disconnect
- IEEE Qualified; LOCA, Chemical Spray, Radiation, Seismic
- In-line or panel mount

Temperature Switches

- Electrical rating of 5A@115VCA or 0.5A@115VCD
- Adjustable temperature range from -100°F to 600°F
- IEEE Qualified; HELB, Radiation, Seismic
- Direct replacement for Fenwall 17002-40, 17023-6

Accessories

Compact Splices

- Lite-weight, simple solution for single conductor splicing
- IEEE Qualified; LOCA, Radiation, Seismic
- CSA Certified for CANDU reactors

Flexible Metal Conduit

- Leak-tight EQ pressure boundary
- Not affected by temperature or radiation
- IEEE Qualified

ECSA Diode

- Lightweight, easy to install
- Suppresses voltage spikes on electrical devices
- IEEE Qualified; LOCA, Radiation, Seismic

Conformal Coating (PECC)

- Transparent resin solution offers excellent dielectric properties
- Moisture resistance; Thermal shock properties

Electrical Splicing Tape

- Alternative for electrical splicing in harsh environments
- IEEE Qualified; LOCA, Radiation, Seismic

Thread Sealant (P-1)

- Universal applicable thread sealant for use on stainless steel, brass, galvanized steel and carbon steel
- IEEE Qualified; Nuclear Qualified for use on 1/4" to 1 1/2" NPT joint; radiation resistant

Splice Mounting Racks

- Multi-splice mechanical device
- Organize splice areas such as junction boxes and penetration break-outs
- IEEE Qualified



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