

Namco Nuclear Qualified

Quick Disconnect Connectors



NAMCO nuclear connectors, designed for fast easy disconnect connect operation, dramatically reduce the exposure of personnel to radiation. They maintain the sealed integrity of limit switches by eliminating the need to disassemble and rewire the devices during required maintenance.

IEEE Qualifications

323-2003/1983/1974, 344-2004/1987/1975, 382-2006/1996/1980, 383-2003/1974/1972, 572-1985/2004

All units have a minimum life of 10 years under intense radiation and combine the following product features:

- Fully submersible, except for EC290 Series
- Connector keyed for quick positive one way connection
- Bayonet style connection, positive visual locking indicator
- Radiation resistant elastomer materials
- Flexible wire to eliminate kinking and fatigue failure
- Manufactured to a quality assurance program designed to meet the requirements of 10CFR50 Appendix B, and ANSI N25.2, as applicable
- Cable lengths available from 20 feet
- Seismic and vibration resistant

- **EC290-44xxx - Designed for use with EA170, EA180 & EA740 Series**
- 600V/90°C rated 4 conductor 16 AWG stranded nuclear grade cable has excellent resistance to radiation, heat, mechanical abuse, flame, weathering, most oils, acids and alkalies. Cable meet requirements of IEEE Std. 383 type test of Class IE electronic cables. Leakproof to DBE environments including LOCA and HELB conditions — e.g., steam, vapors, pressures up to 80 PSIG and chemical sprays.
- **Plug In Cable**
- Cable lengths should be ordered with specific cable lengths between 20 and 100 feet lengths as follows:

Plug In Cables	
Part Number	Length
EC290-44020	20 feet (6.1m)
EC290-44025	25 feet (7.6m)
EC290-44030	30 feet (9.1m)
EC290-44035	35 feet (10.7m)
EC290-44050	50 feet (15.2m)
EC290-44100	100 feet (30.5m)

- **EC290-29xxx - Designed for use with EA170, EA180 & EA740 Series**
- 600V/90°C rated 9 conductor 16 AWG stranded nuclear grade cable has excellent resistance to radiation, heat, mechanical abuse, flame, weathering, most oils, acids and alkalies. Cable meet requirements of IEEE Std. 383 type test of Class IE electronic cables. Leakproof to DBE environments including LOCA and HELB conditions — e.g., steam, vapors, pressures up to 80 PSIG and chemical sprays.
- **Plug In Cable**
- Cable lengths should be ordered with specific cable lengths between 20 and 100 feet lengths as follows:

Plug In Cables	
Part Number	Length
EC290-29020	20 feet (6.1m)
EC290-29025	25 feet (7.6m)
EC290-29030	30 feet (9.1m)
EC290-29035	35 feet (10.7m)
EC290-29050	50 feet (15.2m)

EC290-29100	100 feet (30.5m)
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- **EC390-44xxx - Designed for use with EA120 SPDT for Harsh Environments With Accident Conditions (LOCA/HELB)**
- 600V/90°C rated 4 conductor 16 AWG stranded nuclear grade cable has excellent resistance to radiation, heat, mechanical abuse, flame, weathering, most oils, acids and alkalies. Cable meet requirements of IEEE Std. 383 type test of Class IE electronic cables.
- **Plug In Cable**
- Cable lengths should be ordered with specific cable lengths between 20 and 100 feet lengths as follows:

Plug In Cables	
Part Number	Length
EC390-44020	20 feet (6.1m)
EC390-44025	25 feet (7.6m)
EC390-44030	30 feet (9.1m)
EC390-44035	35 feet (10.7m)
EC390-44050	50 feet (15.2m)
EC390-44100	100 feet (30.5m)

- **EC390-29xxx - Designed for use with EA120 DPDT for Harsh Environments With Accident Conditions (LOCA/HELB)**
- 600V/90°C rated 6 conductor 16 AWG stranded nuclear grade cable has excellent resistance to radiation, heat, mechanical abuse, flame, weathering, most oils, acids and alkalies. Cable meet requirements of IEEE Std. 383 type test of Class IE electronic cables.
- **Plug In Cable**
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EC390-29020	20 feet (6.1m)
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EC390-29030	30 feet (9.1m)
EC390-29035	35 feet (10.7m)
EC390-29050	50 feet (15.2m)
EC390-29100	100 feet (30.5m)

- **EC490-44xxx - Designed for use with EA120 SPDT Series for Mild Environment**
- 600V/90°C rated 4 conductor 16 AWG stranded nuclear grade cable has excellent resistance to radiation, heat, mechanical abuse, flame, weathering, most oils, acids and alkalies. Cable meet requirements of IEEE Std. 383 type test of Class IE electronic cables.
- **Plug In Cable**
- Cable lengths should be ordered with specific cable lengths between 20 and 100 feet lengths as follows:

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Part Number	Length
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EC390-44030	30 feet (9.1m)
EC390-44035	35 feet (10.7m)
EC390-44050	50 feet (15.2m)
EC390-44100	100 feet (30.5m)

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EC390-29030	30 feet (9.1m)
EC390-29035	35 feet (10.7m)
EC390-29050	50 feet (15.2m)
EC390-29100	100 feet (30.5m)

- **EC590-44xxx - Designed for use with EA120 SPDT Series for Harsh Environment without Accident Conditions**
- 600V/90°C rated 4 conductor 16 AWG stranded nuclear grade cable has excellent resistance to radiation, heat, mechanical abuse, flame, weathering, most oils, acids and alkalies. Cable meet requirements of IEEE Std. 383 type test of Class IE electronic cables.
- **Plug In Cable**
- Cable lengths should be ordered with specific cable lengths between 20 and 100 feet lengths as follows:

Plug In Cables	
Part Number	Length
EC590-44020	20 feet (6.1m)
EC590-44025	25 feet (7.6m)
EC590-44030	30 feet (9.1m)
EC590-44035	35 feet (10.7m)
EC590-44050	50 feet (15.2m)
EC590-44100	100 feet (30.5m)

- **EC590-29xxx - Designed for use with EA120 DPDT Series for Harsh Environment without Accident Conditions**
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