# EC490 (4-Pin)

## 4 Pin Plug-In Quick Connector Systems

Designed for use with the
SNAP-LOCK® MINI Limit Switch.
Tested and Qualified for outside Containment
Areas and Other Mild Environments

**Description:**

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 and other devices such as solenoid valves, transmitters, etc. by eliminating the need to disassemble and rewire the devices during required maintenance.

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

**Features:**
• Qualified to IEEE Standards
   232-2003/1998/1974
   344-2004/1987/1975
   382-2006/1996/1980

• Connector keyed for quick positive one way connection.

• Bayonet style connection, positive visual locking indicator

• Radiation resistant elastometer 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 N45.2, as applicable.

• Four wired pins.

• Cable lengths available from 20 feet.

• Seismic and vibration resistant.
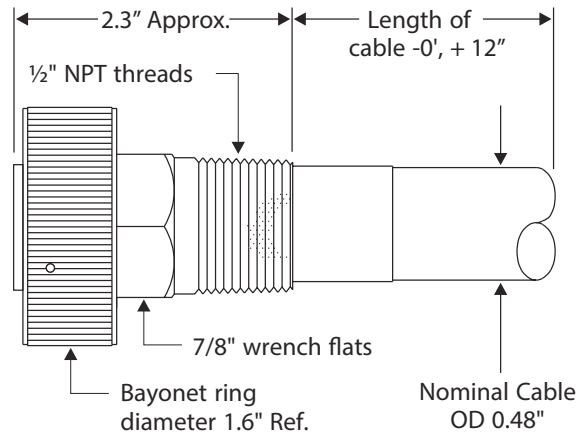
NAMCO

## EC490-44xxx Cable Features

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.
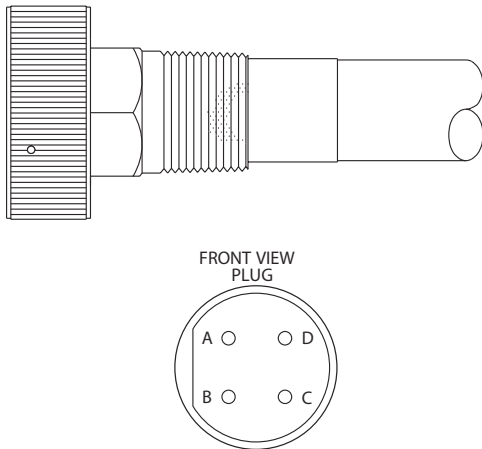
## Plug-In Cable

Cable lengths for the above Receptacle Assemblies should be ordered with specific cable lengths between 20 and 100 feet lengths as follows:

| Plug-In Cables | |
|---|---|
| Length | EC490- |
| 20 Ft. | 44020 |
| 25 Ft. | 44025 |
| 30 Ft. | 44030 |
| 35 Ft. | 44035 |
| 50 Ft. | 44050 |
| 100 Ft. | 44100 |



2.3" Approx. — ½" NPT threads — Length of cable -0', + 12" — 7/8" wrench flats — Bayonet ring diameter 1.6" Ref. — Nominal Cable OD 0.48"

**Plug Side**



FRONT VIEW
PLUG

A ○   ○ D
B ○   ○ C

Qualification test report QTR-302 documenting Namco's testing of switch with receptacle and cable is available.