

# Heavy Duty Cylindrical, MIL-C-22992 Type

## Class "L", MIL-C-22992

Reference Catalog 12-052



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
<p><u>Class L Military MS90555 and Proprietary designations.</u> Heavy duty, rugged, environmental cylindricals designed to meet the heaviest electrical loads for military or industrial applications. Current ranges of 40 to 200 amps, conductor sizes 6 to 4/0. Automatic grounding for safety.</p>	<p>Qualified to MIL-C-22992. Within the controlled parameters of mil-spec - shell size relationship to current carrying capacity to reduce the possibility of inadequate wiring for heavy electrical loads.</p>	<p>Double stub threaded per MIL-STD-1373 for fast coupling, easy cleaning. 5 key polarizing system assures that circuits with incompatible power characteristics (voltage, phase and frequency) are not mated. Rated to 500 complete mating/unmating cycles.</p>	<p>Crimp termination. Contacts can be soldered.</p>	<p>Operating temp. from -55°C to +125°C. Unique arc quenching capability provides a positive safety feature if connectors are inadvertently disconnected under load. Programmed coupling sequence - grounding and neutral contacts engage before power contacts. Grommets and seals provide waterproofing. Rugged shells are resistant to vibration, high impact, shock and corrosion.</p>

### OPTIONAL FEATURES

- Direct current or single/three phase, 60/400 Hertz alternating current.
- 4 shell styles with 7 insert patterns that facilitate large conductors.
- Accessories have left hand threads to minimize cable twisting, wire breakage, accidental connector disassembly.
- Conductive and non-conductive finishes available.

### MARKETS

- Military ground vehicles/Mobile facilities
- Geophysical/Heavy equipment
- Power distribution systems

## QWLD, MIL-C-22992

Reference Catalog 12-052



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
<p><u>QWLD Military MS17343 and Proprietary designations.</u> Heavy duty, rugged, environmental cylindricals designed for power and control circuits. Increased shell size compared to standard 5015 connectors for greater durability. Industrial version available.</p>	<p>MS approved versions qualified to MIL-C-22992. Incorporates MIL-C-5015 inserts plus special arrangements. Class C: pressurized. Class R: environmental.</p>	<p>Double stub threaded per MIL-STD-1373 for fast coupling, easy cleaning. 5 key polarization. Rated to 500 complete mating/unmating cycles.</p>	<p>Crimp or solder termination.</p>	<p>Operating temp. from -55°C to +125°C. Resilient inserts provide high dielectric strength and moisture barrier. Sealing gaskets at every joint for waterproofing. Rugged shells are explosion proof and are resistant to vibration and shock, hydraulic fluids, oils and salt spray corrosion. Operating voltage to 3000 VAC (RMS) at sea level.</p>

### OPTIONAL FEATURES

- 7 shell styles with over 300 insert patterns that include both MS and special patterns for a wide variety of multiconductor cables.
- Coax and thermocouple contacts available.
- Accessories have left hand threads to minimize cable twisting, wire breakage, accidental connector disassembly.
- Alumilite hard anodic finish for abrasion and corrosion resistance or conductive cadmium plate finish.

QDP SERIES ALSO AVAILABLE - Consult Amphenol for further information.

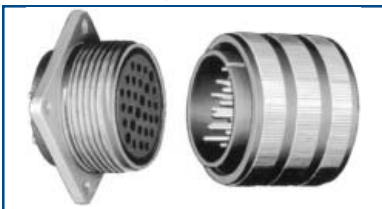
- QWLD type shells with miniature crimp (PT-SE) inserts.
- Applications which require heavy duty shells, rugged finish, higher contact density.

### MARKETS

- Military ground vehicles/Heavy equipment
- Geophysical
- Portable lighting systems
- Power distribution systems

## QWL, MIL-C-22992 Type

Reference Catalog 12-053



APPLICATION	STANDARDS/ REQUIREMENTS	COUPLING/ MOUNTING	CONTACT TERMINATION	PERFORMANCE ENVIRON./ELECT.
<p><u>QWL Series Proprietary only.</u> Heavy duty, rugged, environmental cylindricals designed to be more compact. Provides an economical alternative to military qualified designs for heavy duty connectors.</p>	<p>Proprietary styles with performance levels that equal to MIL-C-22992. Incorporates MIL-C-5015 inserts plus special arrangements.</p>	<p>Double stub threaded per MIL-STD-1373 for fast coupling, easy cleaning. Single keyway polarization. Rated to 500 complete mating/unmating cycles.</p>	<p>Crimp or solder termination.</p>	<p>Operating temp. from -55°C to +125°C. Resilient inserts provide high dielectric strength and moisture barrier. Sealing gaskets at every joint for waterproofing. Rugged shells are resistant to vibration and shock, hydraulic fluids, oils and salt spray corrosion. Operating voltage to 3000 VAC (RMS) at sea level.</p>

### OPTIONAL FEATURES

- 8 shell styles with over 300 insert patterns that include both MS and special patterns for a wide variety of multiconductor cables.
- Coax and thermocouple contacts available.
- Accessories have left hand threads to minimize cable twisting, wire breakage, accidental connector disassembly.
- Alumilite hard anodic finish for abrasion and corrosion resistance or conductive cadmium plate finish.

### MARKETS

- Instrumentation/Control/Machine Tool
- Communications
- Nuclear Industry
- Geophysical