

# HEAVY DUTY CYLINDRICAL CONNECTORS

MIL-DTL-22992 Style, Class L



**LEX**  
Connector Solutions

15751 SW 41 Street Ste. 300 | Davie, FL 33331 | Telephone: 954.888.1024 | Fax: 954.888.1026

[www.lexconnectors.com](http://www.lexconnectors.com)



# HEAVY DUTY CYLINDRICAL CONNECTORS

MIL-DTL-22992 Style, Class L

Wall mount receptacle  
(power source)



Cable connecting  
receptacle without  
coupling ring



Straight plug



Wall mount plug  
with coupling ring  
(equipment end)



The LEX TM3 Class L heavy duty connectors are the largest size cylindricals, highly suitable for industrial or military applications, and designed to meet the demands of heavy power interconnections.

The design features of this connector series provide:

#### Greatest Capacity

current ranges 40 to 200 amps, conductor sizes 6 to 4/0

#### Safety

complete protection of personnel and equipment if connectors are inadvertently disconnected under load

#### Foolproof Mating

design incorporates specific voltage, current, frequency, phase and grounding requirements

#### Standardization

**MIL-DTL-22992 Class L** insert arrangements specify connector/cable combinations for maximum reliability

#### Serviceable Contacts

contacts are normally crimped to the cable before connector assembly. No insertion tools required. Bushings are available to adapt smaller diameter wires to larger contacts

**Class L** connectors are available in the specific configurations prescribed by MIL-DTL-22992 for either military or industrial applications. This rigid configuration control assures correct interconnection of electrical circuits for maximum safety and reliability. Controlled parameters include:

#### Connector shell style and contact type

Wall mount and cable connecting receptacles are supplied with socket contacts only and always lead from the power source. Plugs (with coupling rings) have pin contacts only and always lead to the equipment end.

#### Shell size

The direct relationship of shell size to current carrying capability reduces the possibility of inadequate wiring for heavy electrical loads.

Shell Size	Currenting Rating (Amperes)	Contact
28	40	6
32	60	4
44	100	1/0
52	200	4/0

#### Keyway position

Four positions of the main keyway are used to discriminate between the following power sources:

- two wire D.C.
- two wire single phase A.C.
- three wire single phase A.C.
- four wire three phase A.C.

#### Insert rotation

When carrying alternating current (A.C.), different angular rotations of the insert within the connector shell are used to distinguish between 60 Hertz and 400 Hertz circuits.

#### Other outstanding design features:

##### Arc quenching design

##### Programmed coupling sequence

##### Waterproof design

##### Rugged construction

##### Accessories



**LEX**  
Connector Solutions

15751 SW 41 Street Ste. 300 | Davie, FL 33331 | Telephone: 954.888.1024 | Fax: 954.888.1026

[www.lexconnectors.com](http://www.lexconnectors.com)