

C Series

High Voltage
Lead Assemblies
and Receptacles

GENERAL SPECIFICATIONS For Limited Military/Aerospace Applications

C Series Lead Assemblies and Receptacles

In 1997, Reynolds Industries, Inc. acquired the RLA series and other connector product lines from Rowe Industries, Inc. The RLA series has been renamed C series

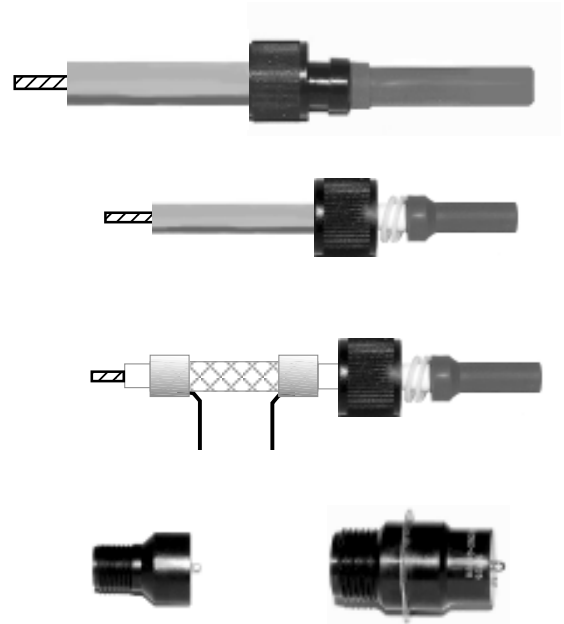
C series high voltage lead assemblies and receptacles are widely used in CRT displays, ECM equipment, power supplies, Radar and almost any application where high voltage components need to be interconnected. The plug end is molded onto a desired length of silicone cable and can be ordered Single-Ended, Double-Ended or with shielding.

C series assemblies operate at voltages ranging from 10 KVDC to 50 KVDC and are interchangeable with Reynolds series 700 connectors and the LGH series. C series lead assemblies will operate up to 70,000 ft. and over a temperature range of -55°C to +95°C.

Interface cleaning

High voltage connectors must always be cleaned prior to mating. The proper cleaning method is to wipe or spray the interface area with isopropyl alcohol and immediately blow an inert gas such as dry nitrogen over the interface area until dry. No other cleaning method should be attempted.

WARNING: These connectors should **NEVER** be handled, mated or unmated when voltage is applied.



GENERAL SPECIFICATIONS

Operating voltage

Altitude rating

Operating temperature

Insulator material

Coupling

Cable

Cable diameter

Mates Reynolds 700 series

Mates LGH I* series

Lead Assemblies

10 -50 KVDC

Sea level to 70,000 ft.

-55°C to +95°C

Silicone Rubber

Threaded

Silicone rubber

0.160" to 0.385"

730, 737, 720 & 727

LGH 1/2I to LGH 4I

Receptacles

10 -50 KVDC

Sea level to 70,000 ft.

-55°C to +95°C

Glass/Epoxy or DAP

Threaded

N/A

N/A

730, 737, 720 & 727

LGH 1/2I to LGH 4I

Cable Assembly
Length vs Manufacturing
Tolerance Chart

Length: feet/M

7.5/2.28 or less
7.5/2.2 to 12.5/3.8
12.5/3.8 to 22.5/6.8
22.5/6.8 to 35/10.6
35/10.6 to 50/15.2
50/15.2 to 70/21.3
70/21.3 to 100/30.4

Tolerance: inches/mm

0.25/6.3
1.0/25.4
1.50/38.1
2.0/50.8
3.0/76.2
4.0/101.6
5.0/127

*LGH is a trademark of AMP, Incorporated