

C 730 SERIES	10 kVDC	70,000 FT	-55° TO 95°C
C 737 SERIES	15 kVDC		
C 720 SERIES	20 kVDC		

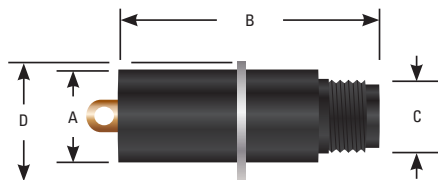
C SERIES

In 1997, Teledyne Reynolds, 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.

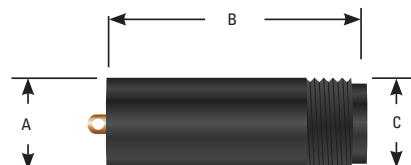
RECEPTACLES

C 730
10 kVDC
LGH 1/2I
2RC1505



C 737
15 kVDC
LGH 1/2LI
2RC1515

C 730
10 kVDC
LGH 1/2I
3RC1505



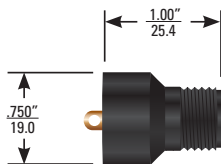
C 737
15 kVDC
LGH 1/2LI
13RC1515

C 720
20 kVDC
LGH LI
3RC1525

(• = Same value as above)

SERIES	"A" DIAMETER (in./mm)	"B" (in./mm)	"C" (in./mm)	"D" DIAMETER (in./mm)
C 730	.380/9.65	.620/15.7	.310/7.9	.570/14.4
C 737	•	1.00/25.4	•	.562/14.3

C 720
10 kVDC
LGH LI
RC1525



SERIES	"A" DIAMETER (in./mm)	"B" (in./mm)	"C" (in./mm)
C 730	.380/9.6	.630/15.7	.310/7.9
C 737	•	1.00/25.4	•
C 720	.500/12.7	•	.500/12.7

CABLE ASSEMBLIES

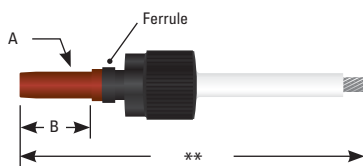
(Dimensions shown as in/mm)

Positive Stop (ferrule) Single-Ended

C 730 • 10 kVDC
LGH 1/2I
7RC1500

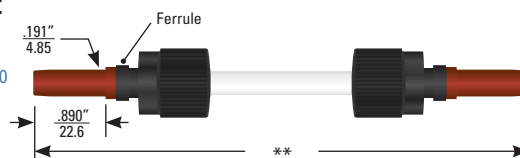
C 737 • 15 kVDC
LGH 1/2LI
7RC1510

C 720 • 20 kVDC
LGH LI
21RC1520



Double-Ended

C 737 • 15 kVDC
LGH 1/2LI
178-7319
• Uses Wire 178-7200



(• = Same value as above)

SERIES	"A" DIAMETER (in./mm)	"B" (in./mm)	WIRE P/N
C 730	.186/4.7	.530/13.4	178-9863
C 737	.191/4.85	.890/22.6	178-7200
C 720	.287/7.2	•	R790-3516-6

****Cable Assembly Ordering Information:** All cable assembly cable lengths are to be specified in inches only. For example, to order part number 178-6027 with a cable length of 10 feet 8 inches the cable assembly part number would be specified as 178-6027-128N.

• **Note:** Product numbers and specs subject to change without notice. • Products listed represent only a small selection of Teledyne Reynolds' products please visit www.teledynereynolds.com for the most up to date product information. • Contact Teledyne Reynolds' Engineering to discuss custom designs. **WARNING:** Connectors should **NEVER** be handled mated or unmated when voltage is applied.

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C 737 SERIES	15 kVDC		
C 720 SERIES	20 kVDC		

CABLE ASSEMBLIES

(Dimensions shown as in./mm)

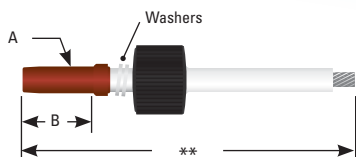
Non-Positive Stop (washers)

Single-Ended

C 730 • 10 kVDC
LGH 1/2I
RC1500

C 737 • 15 kVDC
LGH 1/2LI
RC1510

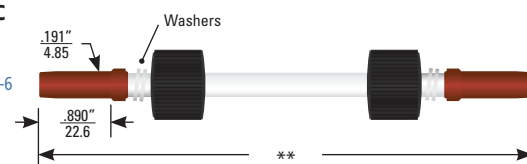
C 720 • 20 kVDC
LGH LI
RC1520



Double-Ended

C 720 • 20 kVDC
LGH LI
R1520

• Uses Wire R790-3561-6

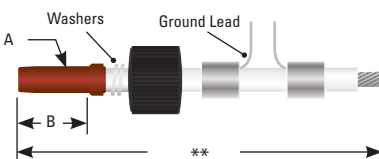


SERIES	"A" DIAMETER (in./mm)	"B" (in./mm)	WIRE P/N
C 730	.186/4.7	.530/13.4	R790-3516-6
C 737	.191/4.85	.890/22.6	•
C 720	.287/7.2	•	•

Single-Ended, Shielded

C 730 • 10 kVDC
LGH 1/2I
2RC1500

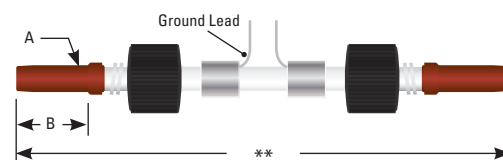
C 720 • 20 kVDC
LGH LI
178-6094



Double-Ended, Shielded

C 730 • 10 kVDC
LGH 1/2I
3R1500

C 737 • 15 kVDC
LGH 1/2LI
2RC1510



SERIES	"A" DIAMETER (in./mm)	"B" (in./mm)	WIRE P/N
C 730	.186/4.7	.530/13.4	178-7200
C 737	.191/4.85	.890/22.6	178-6195-9

SERIES SPECIFICATIONS

(• = Same value as above)

Series	Voltage Rating (kVDC)	Altitude Rating (ft)	Operating Temp. (°C)	Current Rating (Amp)	Receptacle Insulator Material	Plug Insulator Material	Coupling Style	Coupling Nut Material/Finish	Plug Contact Material/Finish (Socket)	Recept. Contact Material/Finish (Pin)	Wire Type	Wire Insulation	Braid Termination	Test Voltage @ 70,000 ft	Test Voltage @ Sea Level
C 730	10	70,000	-55 to 95	10	Plastic	Plastic	Threaded	Plastic	BeCu/Au with CRES hood	Brass/Tin	Non-Shielded	N/A	N/A	15	N/A
C 737	15	•	•	•	•	•	•	•	•	•	•	•	•	18	•
C 720	20	•	•	•	•	•	•	•	•	•	•	•	•	25	•

WIRE SPECIFICATIONS

Part #	Operating Voltage (kVDC)	Conductor			Insulation		Shielding			Jacket		Impedance Ω	Attenuation dB/100 ft @ 400mhz	Capacitance pF/FT (Nom.) @1k HZ
		AWG	Strands	Plating	Material	ø in./mm	AWG	Plating	ø in./mm	Material	ø in./mm			
178-7200	20	16	41/32	SPC	Silicone	0.165/4.19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
178-6195-9	25	•	26/30	TPC	•	0.266/6.76	•	•	•	•	•	•	•	•