

Clarity™ 110 SEMI-RIGID

Test and Measurement

Clarity 110-SR is a Semi-Rigid Test and Measurement assembly designed for applications requiring low loss and phase stability. It maintains a specific shape once installed for use in enclosures or applications that require no movement of the cable assembly.



Specifications

Ω Impedance
50 Ohms

Op Temp
-67 to 257°F
-55 to 125°C

Units

Max Diameter	in (mm)	0.26 (6.7)
Weight	1000 lb/ft	1.3
Min Bend Radius	in (mm)	0.25 (6.3)
Velocity of Propagation	%	69.5%
Shielding Effectiveness	dB	>100
Capacitance	pF/ft (pF/m)	29.2 (95)
VSWR Typical		1.45:1
VSWR Max		1.50:1

CALCULATION $IL = (K1 \times \sqrt{f}) + K2 \times (f) \times \text{Cable Length}$

(f) in MHz

Length unit must match K value unit

k values

	dB/ft	dB/m
K1	1.040250	3.170682
K2	0.001289	0.00392887

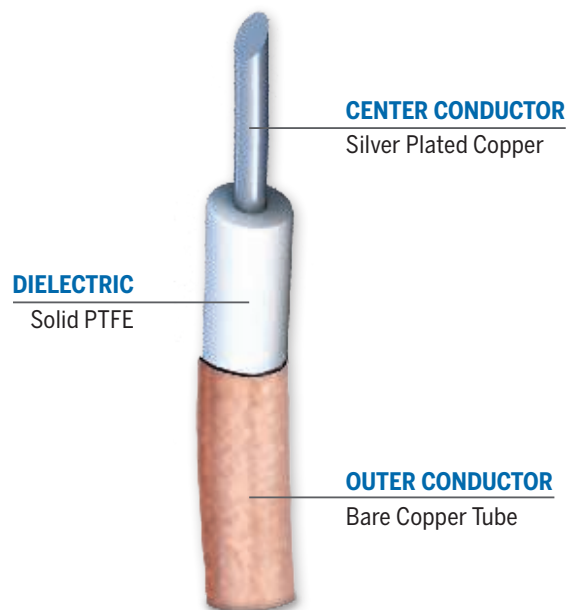
1) All tests performed in accordance with MIL-DTL-17 (current issue).

2) All materials are RoHS and REACH compliant.

3) IL @ 77°F (+25°C).

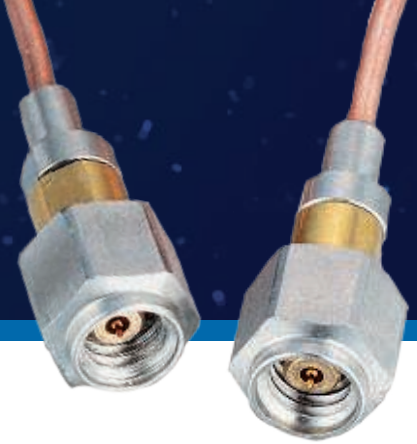
Features

- Semi-Rigid design
 - Low Loss
- Simple robust design
- Phase stable to 110 GHz



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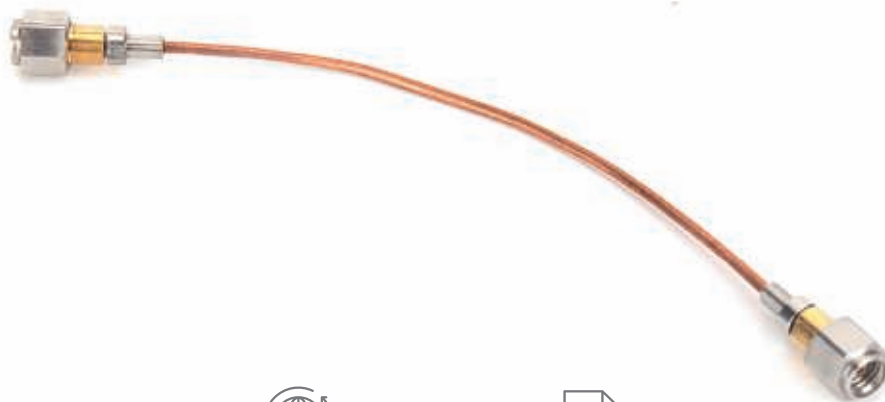
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Ordering Guide

CSR-110 - XXX XXX - XX.X XX
- Connector A Connector B - Length / 3 dig CM Centimeters

Connector Code	Description
10M	1.0mm Male connector
10F	1.0mm Female connector



Global manufacturing capabilities.



Tested assemblies provide assured performance.

Rev. 2: 05/2022