Clarity 110

Test and Measurement

The Clarity[™] 110 test cable boasts steel torque crush and overbend protection with abrasion resistance - without compromising flexibility. The cable is ultra-stable through 110 GHz with exceptionally low attenuation. The design includes an ergonomic, stainless steel protective barrel strain relief and a hex coupling nut.

Features:

- Broad Frequency Response
- · Rugged & Durable
- Phase Stable Over Temperature
- Long Flex Life

Specifications

Impedance 50 Ohms	
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Units

in (mm)	0.19 (4.70)
in (mm)	0.31 (8.00)
in (mm)	1.0 (25.4)
in (mm)	2.0 (50.8)
lbs/lin.in	200
	>50000
%	70
dB	>100
pF/ft (pF/m)	29 (95)
	1.40:1
	1.45:1
0	+/-2
dB	+/- 0.075
	in (mm) in (mm) in (mm) lbs/lin.in % dB pF/ft (pF/m)

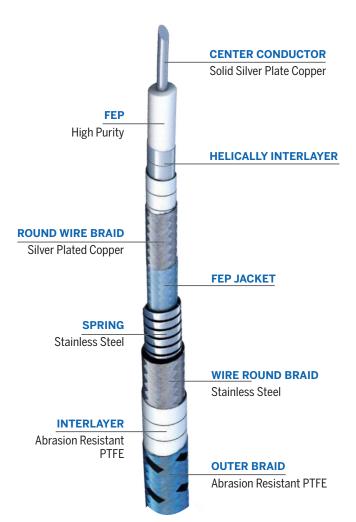
^{*}The assembly is terminated with a short circuit and bent 90 degrees around the mandrel of 1-inch radius.

Attenuation @77°F (+25°C)

Frequency GHz	dB/100 ft	dB/100 m
110	500	1640

Attenuation (per 100ft) at any frequency: 1.0932*sqrt(f(MHz)) + 0.00125*f(MHz)





ClarityTM110



Feet

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Ordering Guide

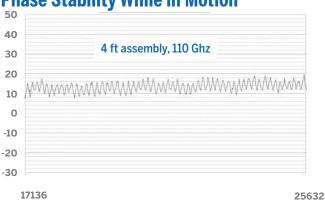


CODE	Description
10M	1.0mm Male Connector
10F	1.0mm Female Connector

Amplitude Stability While in Motion



Phase Stability While in Motion



Our flex test method uses 4ft cables at 110GHz. The testing equipment calibration occurs every 8 hours. Email us at techquestions@timesmicro.com to obtain a copy of the test procedure specifications and results.



Global manufacturing capability: US, and Asia.



Heritage—in the air and on the ground, thousands of assemblies built over decades.



Assembled and tested assemblies provide assured performance.

