



**Excellent “Flexibility”, “Phase Stable” and “Amplitude Stable”**

Construction and Specifications		
Description	Material	Diameter (inch)
1. Inner Conductor	Silver Plated Copper	0.028
2. Dielectric	LD-PTFE	0.087
3. Inner Braid	Silver Plated Copper Strip	0.094
4. Middle layer	PTFE	0.110
5. Outer Braid	Silver Plated Copper Wire	0.124
6. Jacket	FEP	0.189
7. Armored Layer	Stainless steel Armored layer	0.207
8. Stabilization Braid	Silver Plated Copper Wire	0.221
9. Stabilization layer	Thin PTFE layer	0.221
10. Braided Outer Jacket	PTFE wire braid	0.256

Mechanical Specifications	
Max. Allowed Bend Radius: installation	1.5 inch
Phase with flexure stability typical @6 inch coil	±3 °
Amplitude with flexure stability typical @6 inch coil	<0.05 dB
Phase change @-55 °C to +85 °C	600 PPM

Environmental Specifications	
Operating Temperature Range	-55 °C to +125 °C

Electrical Specifications	
Frequency Range	DC - 40 GHz
Velocity of Propagation	76%
Impedance	50 ohms
Shielding Effectiveness:	<-90 dB

Electronic Specifications		
Frequency (GHz)	Attenuation dB/feet	Power Handling (Average input power in Watts)
1.0	0.13	410
3.0	0.23	230
6.0	0.33	160
10.0	0.43	130
18.0	0.58	90
26.5	0.72	80
40.0	0.89	60

**Notes applying to data sheet specifications:**

Published specifications in this data sheet are typical performance values and are not measured on each cable lot. The published specifications are largely dependent upon cable construction and mechanical tolerances which is verified on each cable lot. This document is being provided for the purpose of reference only. evissap is a provider of finished and tested cable assemblies. evissap verifies performance by measuring and testing cable assemblies to data sheet specifications (standard product) or to mutually agreed to cable assembly performance specifications.

All Specifications subject to change without notice