



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. Enhanced layer	Aluminum foil	0.102
5. Stability layer	LD-PTFE	0.106
6. Outer Braid	Silver Plated Copper Wire	0.124
7. Jacket	FEP (Color: Black)	0.132

Mechanical Specifications	
Max. Allowed Bend Radius: installation	0.52 inch
Max. Allowed Bend Radius: repeated	1.4 inch
Phase with flexure stability typ. @50 GHz	± 6°
Amplitude stability typ. @50 GHz	0.1 dB

Environmental Specifications	
Operating Temperature Range	-55 °C to +165 °C

Electrical Specifications	
Frequency Range	DC - 50 GHz
Velocity of Propagation	74%
Impedance	50 ohms
Shielding Effectiveness:	<-100 dB

Electronic Specifications		
Frequency (GHz)	Attenuation dB/feet	Power Handling (Average input power in Watts)
1.0	0.13	572
2.0	0.19	403
6.0	0.33	230
10.0	0.43	177
18.0	0.58	131
26.5	0.72	107
40.0	0.89	86
50.0	1.00	76

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.