



| Construction and Specifications | | |
|---------------------------------|----------------------------|-----------------|
| Description | Material | Diameter (inch) |
| 1. Inner Conductor | Silver Plated Copper | 0.096 |
| 2. Dielectric | LD-PTFE | 0.260 |
| 3. Inner Braid | Silver Plated Copper Strip | 0.271 |
| 4. Outer Braid | Silver Plated Copper Wire | 0.291 |
| 5. Jacket | FEP (light Gray color) | 0.319 |

| Mechanical Specifications | |
|--|----------|
| Max. Allowed Bend Radius: installation | 1.6 inch |
| Max. Allowed Bend Radius: repeated | 3.2 inch |

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

| Electrical Specifications | |
|---------------------------|---------|
| Max. operating frequency | 18 GHz |
| Velocity of Propagation | 83% |
| Impedance | 50 ohms |
| Shielding Effectiveness: | <-90 dB |

| Electronic Specifications | | |
|---------------------------|-------------------------|---|
| Frequency (GHz) | Attenuation dB/100 feet | Power Handling (Average input power in Watts) |
| 0.3 | 2.2 | 3420 |
| 1 | 4.0 | 1850 |
| 6 | 10.2 | 730 |
| 10 | 13.5 | 560 |
| 12.4 | 15.1 | 490 |
| 16 | 17.4 | 430 |
| 18 | 18.5 | 410 |

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