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# TYPE I VSAT

## 50 Ohm Coaxial Cable

### Catalog # 7726

### Non-Plenum: UL TYPE CL2

#### CABLE CONSTRUCTION:

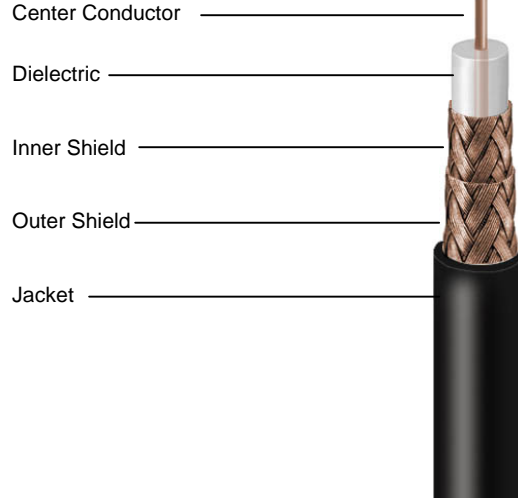
**CENTER CONDUCTOR:**  
 19 AWG Solid Copper  
 Nom. Dia: **0.0359"**

**DIELECTRIC:**  
 Solid PE  
 Dia. over Dielectric: **0.118" Nom.**

**INNER SHIELD:**  
 Braid: 36 AWG Copper  
 96% Coverage  
 Nom. Dia. **0.136"**

**OUTER SHIELD:**  
 Braid 36 AWG Copper  
 96% Coverage  
 Nom. Dia. **0.154"**

**JACKET:**  
 FR-PVC  
 Dia. over Jacket: **0.212" +/- 0.008"**  
 Nominal Jacket Thickness: **0.029"**  
 Minimum Spot: **0.021"**



#### ELECTRICAL PROPERTIES:

**SPARKER TEST:** 2000 VAC

**DIELECTRIC STRENGTH:** Conductor to Shield: 2000 VDC

**CAPACITANCE:** 30.8 pF./Ft. Nom.

**IMPEDANCE:** 50.0 +/- 2.0 Ohms

**VELOCITY OF PROPAGATION:** 66.0% Nom.

**DCR:** Conductor: 8.5 Ohms/1000 Ft. Nom.  
 Shield: 2.4 Ohms/1000 Ft. Nom.

**SRL:** 14 dB (500 thru 1800 MHz) 100% Swept Tested

#### MECHANICAL PROPERTIES:

**MINIMUM BEND RADIUS:**  
 Loaded: 20 Times Cable OD  
 Unloaded: 10 Times Cable OD

**CABLE TEMP. RATING:**  
 Temp: 75°C

#### ATTENUATION:

dB/100 FT. (NOM.)	@ FREQUENCY MHz
11.0 dB	500 MHz
16.2 dB	1000 MHz
18.5 dB	1300 MHz
23.0 dB	1800 MHz

