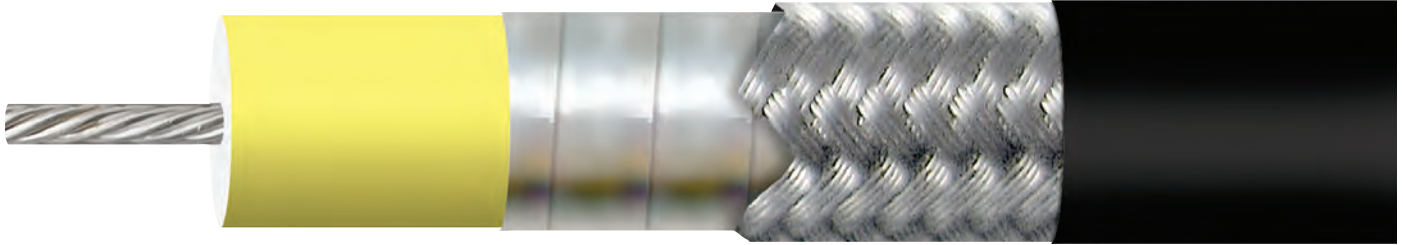




## 750 Series Operating Up to 6.5 GHz



**Center Conductor**  
Silver Plated  
Copper Stranded

**Dielectric**  
EPTFE

**Foil**  
Silver Plated  
Copper

**Braid**  
Silver Plated  
Copper

**Outer Jacket**  
Santoprene  
(0.765", 19.68 mm)

### 7506-SP

#### Electrical Characteristics

Impedance	50 +/- 2Ω
Cut Off Frequency (cable only, max)	6.5 GHz
Capacitance	24.5 pF/ft.
Velocity of Propagation	83%
Time Delay	1.22 ns/ft.
Shielding Effectiveness up to 6.5GHz	>90 dB
Cable Attenuation Factors *	K1 = 1.9, K2 = 0.183
Power Handling	See Chart

#### Mechanical Characteristics:

Weight	5.8 oz/ft (536 g/m)
Static Bend Radius	5" (127mm)
Dynamic Bend Radius	8.0" (203mm)

#### Environmental Characteristics:

Operating Temperature Range <sup>1</sup>	-65°C to +135°C
RoHS 3 (EU 2015/863)	Yes

\*Attenuation =  $K1\sqrt{f} + K2f$  (cable only)



# 750 Series

## Attenuation (max)

7506-SP			
GHz	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level
0.1	0.006	0.020	20000
0.5	0.014	0.047	12500
1	0.021	0.069	10000
2	0.031	0.102	6690
3	0.038	0.125	5000
4	0.045	0.148	4475
5	0.051	0.167	3000
6	0.057	0.187	2500
6.5	0.060	0.198	1750

