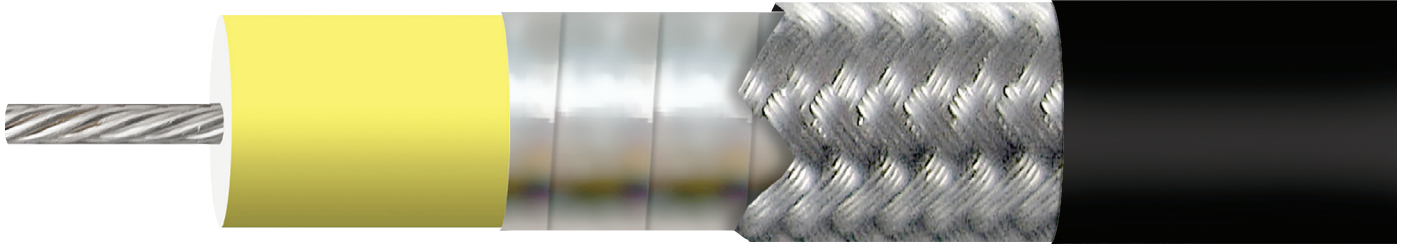




750 Series Operating Up to 6.5 GHz



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 ¹	-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

