



480 Series Operating Up to 11 GHz



Center Conductor
Silver Plated
Copper
(Stranded only)

Dielectric
EPTFE

Foil
Silver Plated
Copper

Braid
Silver Plated
Copper

Outer Jacket
FEP
(0.475", 12mm)

4806

Electrical Characteristics

Impedance	50 +/- 2Ω
Cut Off Frequency (cable only, max)	11.3 GHz
Capacitance	24.5 pF/ft.
Velocity of Propagation	83%
Time Delay	1.22 ns/ft.
Shielding Effectiveness up to 11GHz	>90 dB
Cable Attenuation Factors *	K1 = 2.9, K2 = 0.179
Power Handling	See Chart

Mechanical Characteristics:

Weight	2.93 oz/ft (272 g/m)
Static Bend Radius	3.0" (76mm)
Dynamic Bend Radius	5.0" (127mm)

Environmental Characteristics:

Operating Temperature Range ¹	-65°C to +200°C
RoHS 3 (EU 2015/863)	Yes

¹ Standard cable assembly temperature range is -55°C to +165°C, -65°C to +200°C available for select configurations

VSWR for assemblies with two straight connectors 1.35:1 to 11 GHz

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



480 Series

Attenuation (max)

4806			
GHz	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level
0.1	0.01	0.03	11000
0.5	0.02	0.07	4800
1	0.03	0.10	3250
2	0.04	0.15	2260
4	0.07	0.21	1650
6	0.08	0.27	1300
8	0.10	0.32	1100
10	0.11	0.36	950
11	0.12	0.38	900

