



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
(12mm 0.480")

4806

Electrical Characteristics

Impedance	50 +/- 2Ω
Cut Off Frequency (cable only, max)	11.5 GHz
Capacitance	24 pF/ft.
Velocity of Propagation	83%
Time Delay	1.22 ns/ft.
Shielding Effectiveness up to 18GHz	>90 dB
Power Handling	See Chart

Mechanical Characteristics:

Weight	2.9 oz/ft (267g/m)
Minimum Bend Radius inches (mm)	3.0" (76.2mm)

Environmental Characteristics:

Operating Temperature Range ¹	-65°C to +165°C
RoHS (2002/95/EC)	Available on request

¹+200°C available on request

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



480 Series (Continued)

Attenuation (max)

4806			
GHz	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level
.04	0.006	0.020	7500
1	0.030	0.098	3250
2	0.043	0.141	2260
4	0.064	0.210	1650
6	0.080	0.262	1300
8	0.095	0.312	1100
10	0.109	0.358	950
11	0.116	0.380	900

