



## 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)	2.25" (57mm)

#### Environmental Characteristics:

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

<sup>1</sup>+200°C available on request

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



## 480 Series (Continued)

### Attenuation (max)

GHz	4806		Power(W) @ 20°C @ Sea Level
	dB/ft.	dB/m	
.04	0.006	0.019	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	0.575	950
11	0.116	0.380	900

