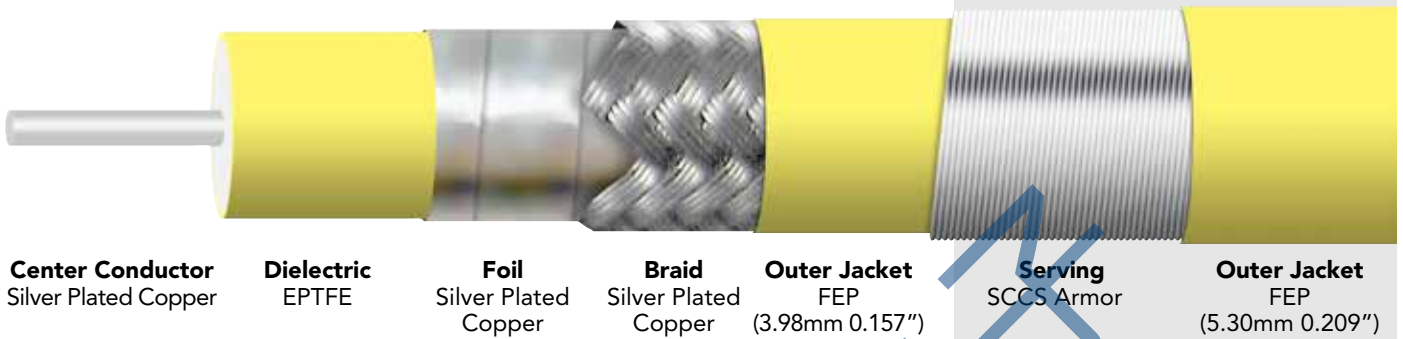




## 157 Series Operating Up to 40 GHz



<b>Center Conductor</b> Silver Plated Copper	<b>Dielectric</b> EPTFE	<b>Foil</b> Silver Plated Copper	<b>Braid</b> Silver Plated Copper	<b>Outer Jacket</b> FEP (3.98mm 0.157")	<b>Serving</b> SCCS Armor	<b>Outer Jacket</b> FEP (5.30mm 0.209")
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	1571	1573
<b>Electrical Characteristics</b>		
Impedance	50 +/- 2Ω	50 +/- 2Ω
Cut Off Frequency (cable only, max)	42 GHz	42 GHz
Capacitance	24 pF/ft.	24 pF/ft.
Velocity of Propagation	83%	83%
Time Delay	1.22 ns/ft.	1.22 ns/ft.
Shielding Effectiveness up to 18GHz	>90 dB	>90 dB
Power Handling	See Chart	See Chart
<b>Mechanical Characteristics:</b>		
Weight	.42 oz/ft (38.5g/m)	.44 oz/ft (41g/m)
Minimum Bend Radius inches (mm)	0.5" (12.7mm)	0.5" (12.7mm)
<b>Environmental Characteristics:</b>		
Operating Temperature Range <sup>1</sup>	-65°C to +165°C	-65°C to +165°C
RoHS (2002/95/EC)	Yes	Yes
<sup>1</sup> +200°C available on request		
VSWR for assemblies with two straight connectors	1.35:1 to 18 GHz	1.35:1 to 18 GHz



## 157 Series (Continued)

### Attenuation (max)

1571/1573			
GHz	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level
0.04	0.044	0.146	600
1	0.101	0.331	500
2	0.131	0.431	370
4	0.201	0.659	260
6	0.231	0.759	210
8	0.287	0.941	180
10	0.303	0.933	160
12	0.351	1.151	150
14	0.362	1.188	140
16	0.389	1.276	125
18	0.430	1.410	120
20	0.439	1.439	160
22	0.462	1.515	110
24	0.484	1.588	105
26	0.521	1.709	100
28	0.540	1.771	99
30	0.549	1.801	97
32	0.568	1.863	95
34	0.586	1.922	90
36	0.605	1.984	85
38	0.623	2.044	80
40	0.640	2.099	75

