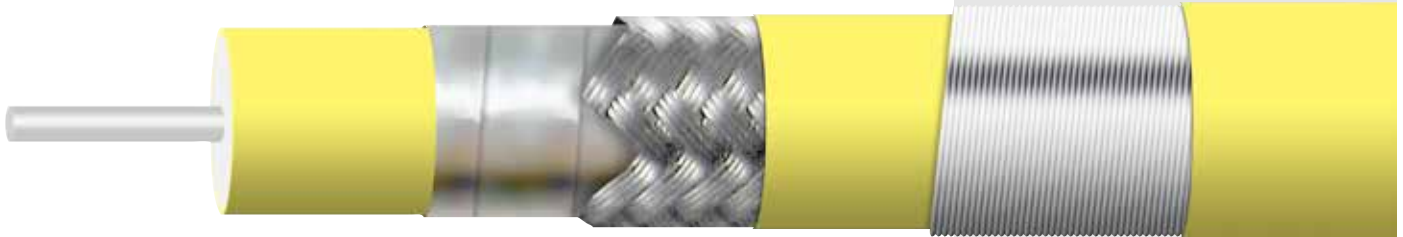




157 Series Operating Up to 40 GHz



Center Conductor
Silver Plated Copper

Dielectric
EPTFE

Foil
Silver Plated
Copper

Braid
Silver Plated
Copper

Outer Jacket
FEP
(3.98mm 0.157")

Serving
SCCS Armor

Outer Jacket
FEP
(5.30mm 0.209")

1571

1573

Electrical Characteristics

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

Mechanical Characteristics:

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)

Environmental Characteristics:

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

¹+200°C available on request

VSWR for assemblies with two straight connectors	1.35:1 to 18 GHz	1.35:1 to 18 GHz
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157 Series (Continued)

Attenuation (max)

GHz	1571/1573		Power(W) @ 20°C @ Sea Level
	dB/ft.	dB/m	
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

