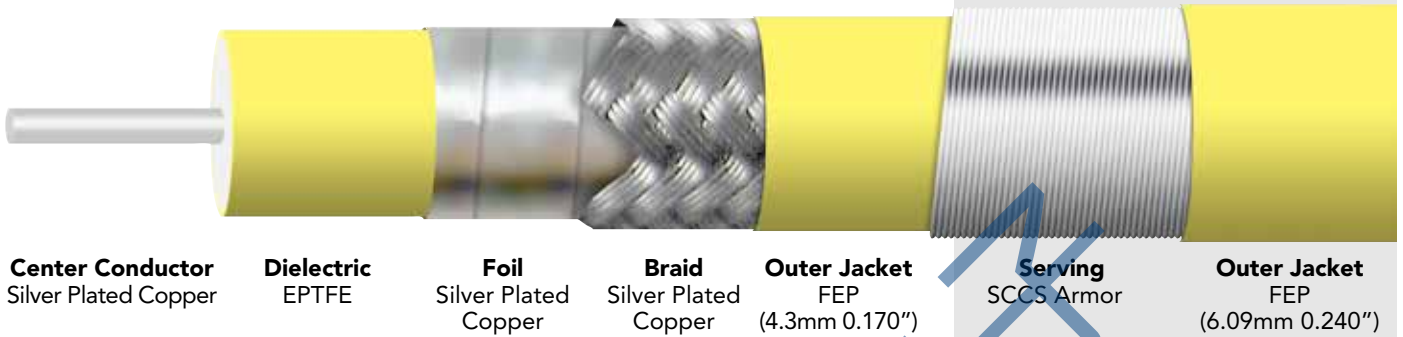




170 Series Operating Up to 38.5 GHz



Center Conductor Silver Plated Copper	Dielectric EPTFE	Foil Silver Plated Copper	Braid Silver Plated Copper	Outer Jacket FEP (4.3mm 0.170")	Serving SCCS Armor	Outer Jacket FEP (6.09mm 0.240")
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	1701	1703
Electrical Characteristics		
Impedance	50 +/- 2Ω	50 +/- 2Ω
Cut Off Frequency (cable only, max)	38 GHz	38 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	.44 oz/ft (41g/m)	1.50 oz/ft (111g/m)
Minimum Bend Radius inches (mm)	0.25" (6.5mm)	0.5" (13mm)
Environmental Characteristics:		
Operating Temperature Range ¹	-65°C to +165°C	-65°C to +165°C
RoHS (2002/95/EC)	Available on request	Available on request
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



170 Series (Continued)

Attenuation (max)

GHz	1701/1703		Power(W) @ 20°C @ Sea Level
	dB/ft.	dB/m	
0.04	0.10	0.32	850
1	0.13	0.43	680
2	0.18	0.59	467
4	0.25	0.86	340
6	0.26	0.82	270
8	0.29	0.95	245
10	0.31	1.03	210
12	0.34	1.13	190
14	0.36	1.13	178
16	0.38	1.17	170
18	0.40	1.24	165
20	0.42	1.31	160
22	0.44	1.63	157
24	0.46	1.42	153
26	0.48	1.49	148
28	0.50	1.56	144
30	0.52	1.63	136
32	0.53	1.73	131
34	0.55	1.79	127
36	0.56	1.84	125
38	0.57	1.88	120
38.5	0.61	2.00	119

