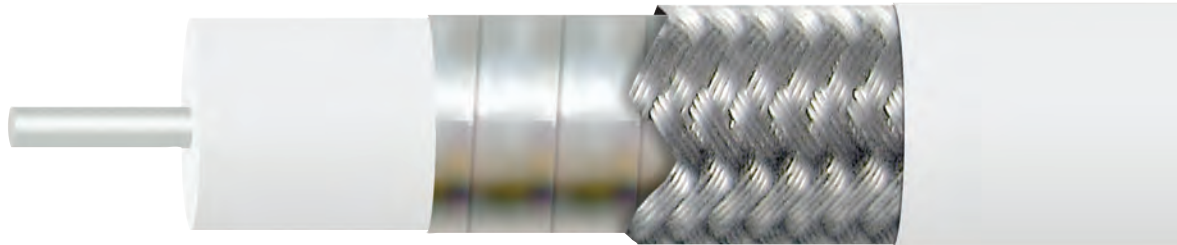




## 034 Series Operating Up to 150 GHz



**Center Conductor**  
Silver Plated  
Copper

**Dielectric**  
Laminated  
PTFE

**Foil**  
Silver Plated  
Copper

**Braid**  
Silver Plated  
Copper

**Outer Jacket**  
FEP  
(0.057", 1.45 mm)

**0341**

### Electrical Characteristics

Impedance	50 +/- 2Ω
Cut Off Frequency (cable only, max)	150 GHz
Capacitance	28.6 pF/ft.
Velocity of Propagation	71%
Time Delay	1.43 ns/ft.
Shielding Effectiveness up to 18GHz	>90 dB
Cable Attenuation Factors *	K1 = 53, K2 = 0.90
Power Handling	See Chart

### Mechanical Characteristics:

Weight	0.064oz/ft (5.95g/m)
Static Bend Radius	0.2" (5.1mm)
Dynamic Bend Radius	0.375" (9.5mm)

### Environmental Characteristics:

Operating Temperature Range	-65°C to +150°C
RoHS 3 (EU 2015/863)	Yes

\*Standard cable assembly temperature range is -55°C to +135°C, -65°C to +150°C available for select configurations

\*Attenuation =  $K1\sqrt{f} + K2f$  (cable only)



# 034 Series

## Attenuation (max)

GHz	0341		
	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level
0.5	0.38	1.24	20.0
1	0.54	1.77	10.2
2	0.77	2.52	8.0
4	1.10	3.59	4.8
8	1.57	5.15	3.2
12	1.94	6.38	2.6
18	2.41	7.91	6.5
20	2.55	8.36	2.1
24	2.81	9.22	1.7
30	3.17	10.41	1.5
40	3.71	12.18	1.1
50	4.20	13.77	1.0
60	4.65	15.24	1.0
70	5.06	16.61	0.9
80	5.46	17.91	0.8
90	5.84	19.15	0.7
100	6.20	20.34	0.7
110	6.55	21.48	0.6
120	6.89	22.59	0.5
130	7.21	23.66	0.5
140	7.53	24.70	0.4
150	7.84	25.72	0.3

