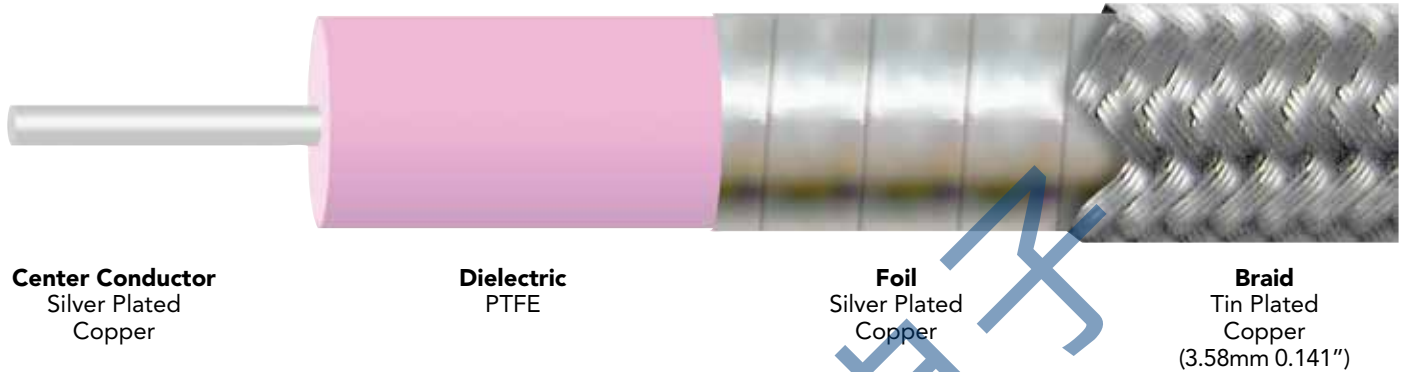




## RF141 Series Operating Up to 34 GHz



	RF141
<b>Electrical Characteristics</b>	
Impedance	50 +/- 2Ω
Cut Off Frequency (cable only, max)	34 GHz
Capacitance	29 pF/ft.
Velocity of Propagation	71%
Time Delay	1.40 ns/ft.
Shielding Effectiveness up to 18GHz	>90 dB
Power Handling	See Chart
<b>Mechanical Characteristics:</b>	
Weight	.402 oz/ft (37g/m)
Minimum Bend Radius inches (mm)	.250" (6.4mm)
<b>Environmental Characteristics:</b>	
Operating Temperature Range <sup>1</sup>	-65°C to +165°C
RoHS (2002/95/EC)	Available on request
VSWR for assemblies with two straight connectors	1.35:1 to 18 GHz
<b>FEP Jacket available – Cable part number TPRFEP141</b>	



## RF141 Series (Continued)

### Insertion Loss

GHz	RF141		Power(W) @ 20°C @ Sea Level
	dB/ft.	dB/m	
0.04	0.07	0.22	700
1	0.11	0.36	500
2	0.16	0.53	350
4	0.24	0.78	240
6	0.30	0.99	190
8	0.36	1.18	160
10	0.41	1.36	150
12	0.46	1.52	140
14	0.51	1.68	130
16	0.56	1.83	120
18	0.60	1.97	110
20	0.64	2.11	100
22	0.68	2.25	90
24	0.73	2.38	80
26	0.77	2.51	70
28	0.80	2.64	60
30	0.84	2.76	50
32	0.88	2.89	40
34	0.92	3.01	30

