

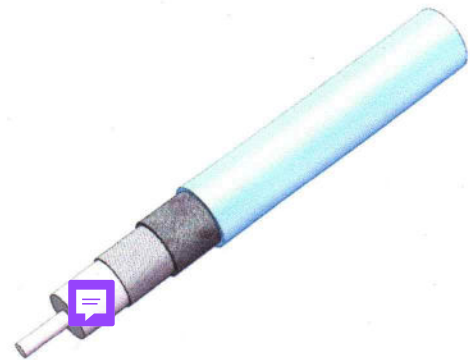
41 Coaxial Cable – 50 Ω Flexible Jacketed SPC Braid over SPF



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Z-FLEX.402

141" Flexible SPC Braid over SPF Outer Conductor, SPCW Center Conductor, PTFE Dielectric, Blue FEP Jacket, 50 Ω.



Specifications

DIMENSIONS

Center Conductor Diameter	0.0360 in
Dielectric Diameter	0.1170 in
Outer Conductor Diameter	0.1410 in
Jacket Diameter	0.1600 in

MATERIALS

Center Conductor Material	SPCW
Dielectric Material	PTFE
Outer Conductor Material	SPC Braid over SPF
Jacket Material	Blue FEP
RoHS Compliant	Yes

MECHANICAL CHARACTERISTICS

Minimum Temperature	-55 °C
Maximum Temperature	+200 °C
Minimum Bend Radius (Minimum)	0.500 in
Weight	3.00 lbs per 100 ft

ELECTRICAL CHARACTERISTICS

Nominal Impedance	50.0 Ω
Nominal Impedance Margin	±1.0 Ω
Velocity of Propagation	70.00%
Shielding Effectiveness	>100 db
Voltage Withstanding	5000 VRMS @ 60 Hz
Continuous Working Voltage	2000 VRMS max
Maximum Operating Frequency	34 GHz

Attenuation

FREQUENCY	DB / 100 FT TYPICAL
0.5 GHz	8.3 db
1.0 GHz	12 db
5.0 GHz	29.9 db
10.0 GHz	45.9 db
18.0 GHz	66.9 db
26.5 GHz	86.9 db

Power

FREQUENCY	WATTS CW @ 20 °C (MAX)
0.5 GHz	600 W
1.0 GHz	450 W
5.0 GHz	180 W
10.0 GHz	120 W
18.0 GHz	73 W
26.5 GHz	70 W