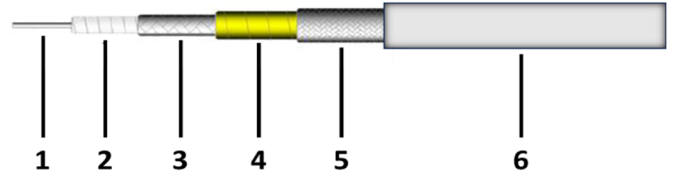


VT-160S – High Performance Coaxial Cable



Features & Benefits

- 76% Velocity of Propagation
- PTFE Tape + SPC Ribbon + Tri-Shield
- Low Loss, Excellent Bending Performance, Durable

Construction Specification

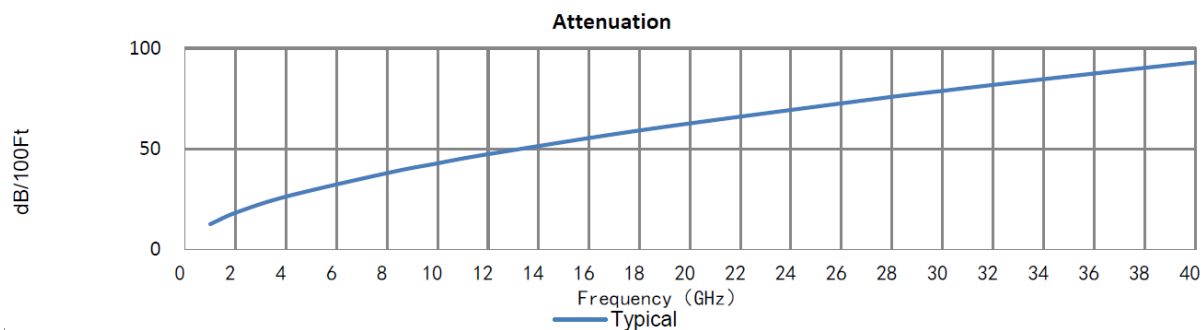
	Description	Size (mm) Tol.	Size (inch) Tol.	Materials
1	Center Conductor	0.96 ± 0.02	0.0378 ± 0.0008	Silver Plated Copper
2	Dielectric	2.88 ± 0.08	0.1134 ± 0.0032	LD PTFE
3	Outer Conductor	3.10 ± 0.08	0.1220 ± 0.0032	Silver Plated Copper Ribbon
4	Inner Layer	3.28 ± 0.10	0.1291 ± 0.0040	Aluminum Laminate
5	Outer Shield	3.68 ± 0.10	0.1449 ± 0.0040	Silver Plated Copper
6	Jacket	4.06 ± 0.15	0.1598 ± 0.0060	Grey FEP

Mechanical & Environmental Specifications

Bend Radius: Installation (inches)	0.79
Bend Radius: Repeated (inches)	1.57
Weight (Grams/FT)	14
Temp: Operating and Installation (°C)	-55 ~ 150
Temp: Storage (°C)	-65 ~ 150

Electrical Specifications

Operating Frequency (GHz)	40
Impedance (Ohms)	50
Velocity of Propagation	76%
Shielding Effectiveness (dB)	100
Voltage Withstanding (V, DC)	1000



Attenuation (Typical @ 25°C & VSWR = 1.0 & Power (VSWR = 1.0; 40°C Sea Level)

Frequency MHz	1000	2000	4000	8000	10000	12000	18000	26500	30000	35000	40000
dB/100 m	42.0	60.1	86.3	124.8	140.8	155.5	194.3	241.2	258.7	282.5	305.0
dB/100 ft	12.8	18.3	26.3	38.1	42.9	47.4	59.2	73.5	78.9	86.1	93.0

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