

# High Performance, Low Loss Coaxial Cable

FN55  
V1

## Data for FN55 cable

### Electrical:

Frequency Range:	DC to 10 GHz theoretical Assemblies are offered to 10 GHz*
Insertion Loss:	See sheet 3 (IL @ 1 GHz is 3.242 dB/100 ft)
Power Handling:	See sheet 3
Impedance:	50 Ohms Nominal
Velocity of Propagation:	76 percent nominal
Time delay:	1.337 nanoseconds/foot nominal (4.386 nanoseconds/meter nominal)
Capacitance:	26.8 picoFarads/foot nominal (87.9 picoFarads/meter nominal)

### Mechanical:

Construction Details:	See sheet 2
Dimensions:	See sheet 2
Minimum Bend Radius:	1.65 inches (41.91mm) Static 2.75 inches (69.85mm) Dynamic
Flexure:	>100,000 cycles per MIL-C-87104
Weight:	0.2500 lb/ft (372.37 g/m) nominal
Maximum Assembly Length:	Approximately 1000 feet (304.8 m)
Available in Bulk:	No

### Environmental:

Temperature:	-55°C to 200°C
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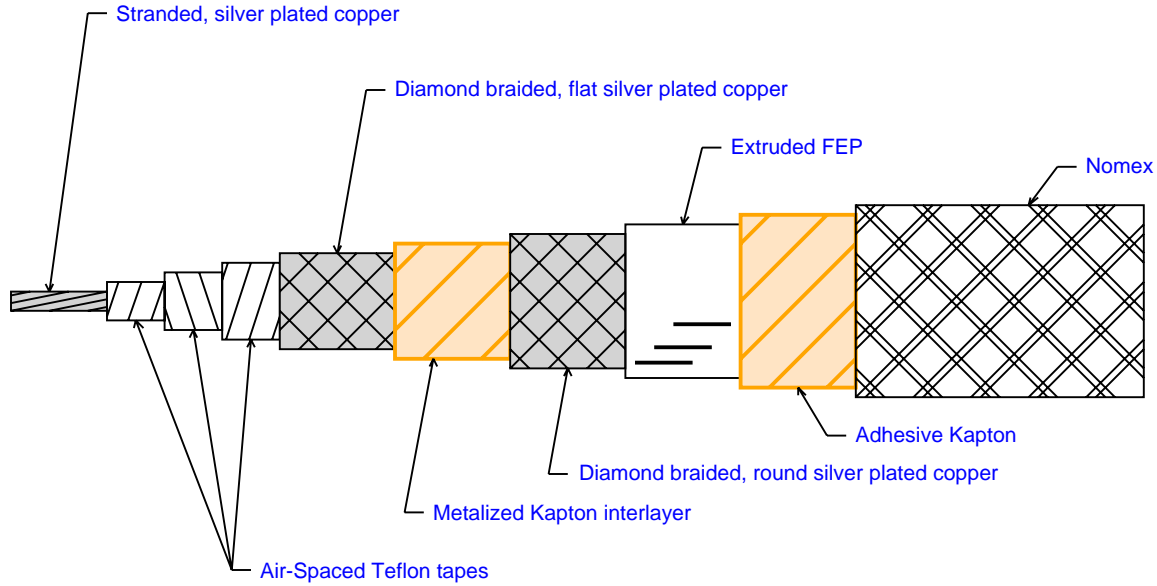
www.DataSheet4U.com

\* Upper frequency limit of assemblies may be restricted by the connector types selected

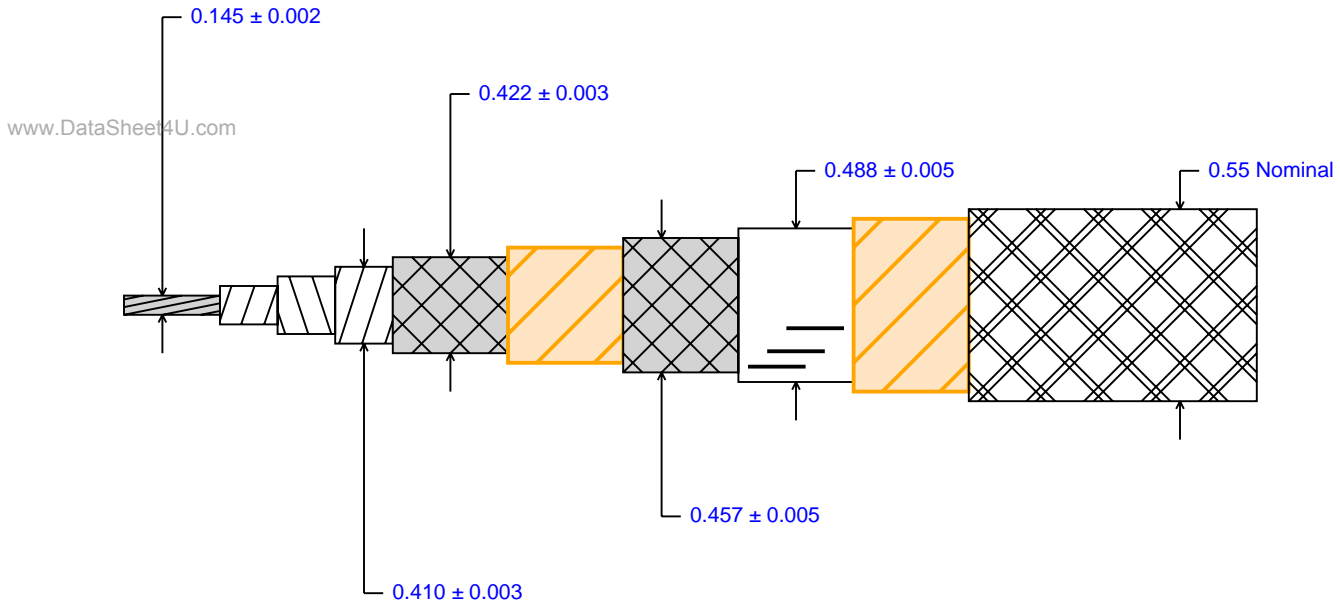
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## Construction Details for FN-- Cable



## Dimensions for FN55 Cable



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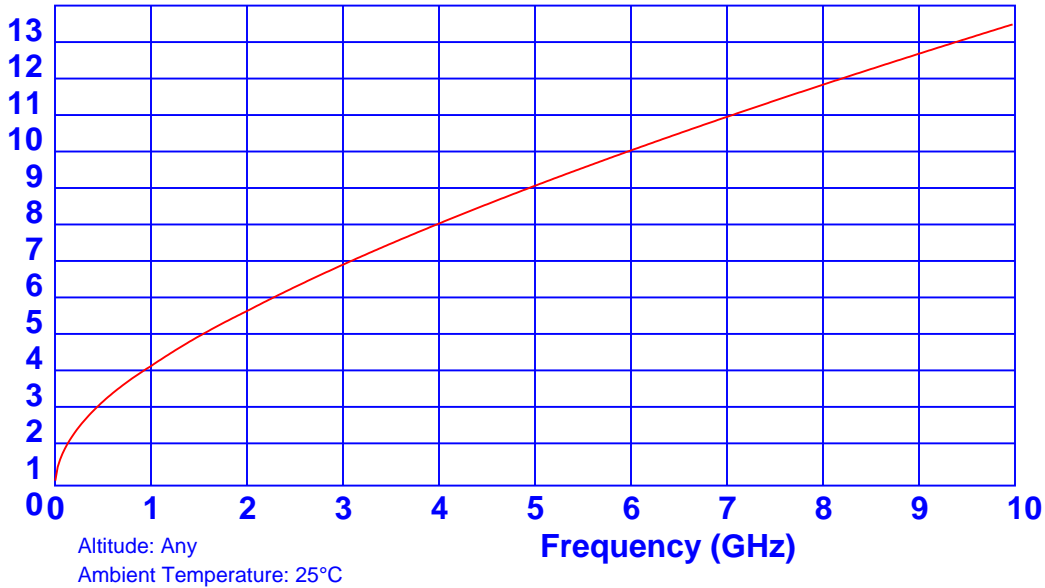
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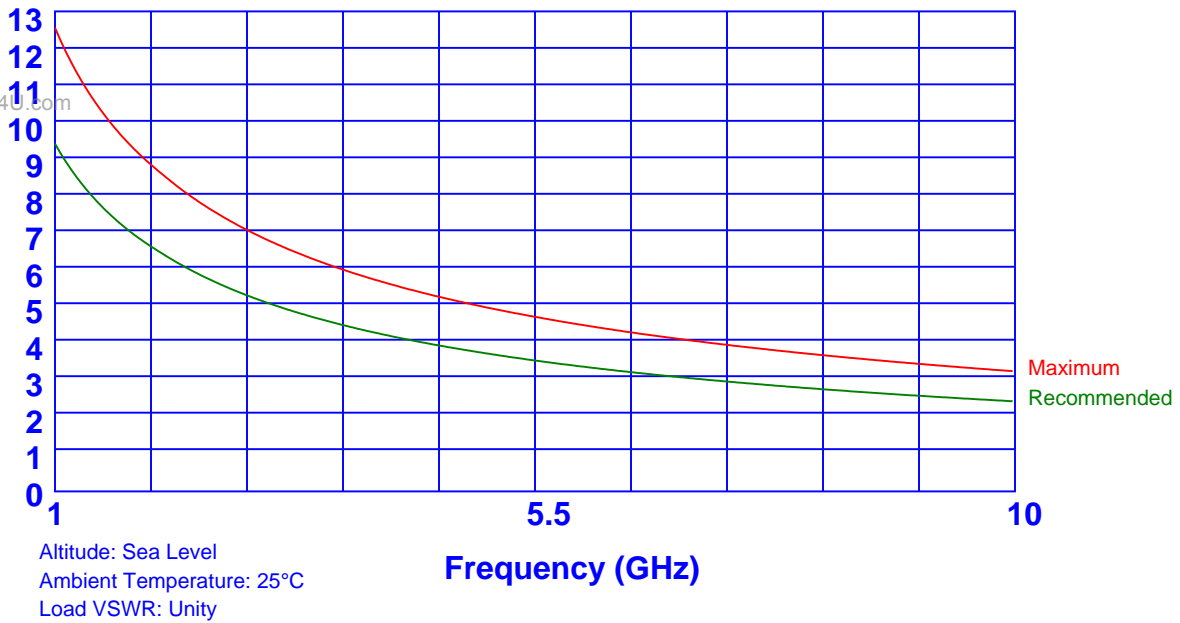
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## Maximum Insertion Loss for FN55 Cable

dB/100 feet



## Maximum Power Handling (KiloWatts CW) for FN55 cable



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