

NB1350

NB Series Economical Low Loss Testing Cable

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| Features:
* Low Insertion Loss
* High Power
* Low PIM | Applications:
* Phased-array Radar
* Satellite Communication
* Avionics
* Telecom |
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Electrical

Frequency:	DC~10GHz
Cut-off Frequency:	11GHz
Impedance:	50Ω
Velocity of Propagation:	77%
Shielding Effectiveness:	100dB min.
Voltage Withstand:	3000V DC
PIM:	-155dBc

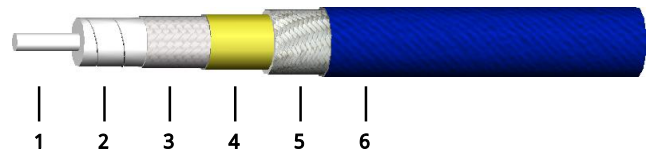
Mechanical

Bend Radius (installation):	67.0mm
Bend Radius (repeated):	135.0mm
Weight:	360g/m

Environmental

Temperature: -55~+200°C

Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	3.89	Stranded silver-plated copper
2	Dielectric	10.29	Low density PTFE
3	Inner Shield	10.17	Silver-plated copper tape
4	Interlayer	10.30	Aluminum tape
5	Outer Shield	11.02	Silver-plated copper braid
6	Jacket	13.50	FEP

Attenuation & Power Handling

Frequency (GHz)	0.1	0.3	0.5	1	3	4	6	8
Attenuation*1 (dB/100m)	4.0	7.0	9.1	13.0	23.3	27.2	33.9	39.8
Average Power*2 (W)	8450	4830	3713	2590	1447	1238	991	844

[1] VSWR:1.0; Ambient: +25°C (77°F)

[2] VSWR:1.0; Ambient: +40°C (104°F); Sea level

Calculate Cable Attenuation: Attenuation (dB/100m) = 0.391680 * √F (MHz) + 0.000600 * F (MHz)

Calculate Connector Attenuation: Attenuation (dB) = 0.03 * √F (GHz)

How To Order

NB1200-X-Y-Z

- X: Frequency in GHz
 Y: Connector type
 Z: Length in meters

Connector naming rules:

- N - N (8GHz, VSWR 1.2)
 T - TNC (8GHz, VSWR 1.2)

Examples:

To order a NB1200 cable assembly, DC-8GHz, N male to N female, 0.5 meter, specify NB1200-8-NNF-0.5.

Female Connector - Add 'F' after connector name

Right Angle - Add 'R' after connector name (VSWR increase 0.1)

NCN-MG-B1200-1
N male, Stainless steel



NC7-MB-B1200-1
7-16 male, Ternary alloy
plated brass

