RFLOGY
TOMORROW DISCOVERED

Flexible RF Cables & Assemblies

NG800

Low Loss

Features:
* Low Insertion Loss

Applications:
* Telecom
* Interconnection between equipment

Electrical

Frequency:	DC~18GHz
Cut-off Frequency:	19GHz
Impedance:	50Ω
Velocity of Propagation:	76%
Shielding Effectiveness:	90dB min.
Voltage Withstand:	2000V DC

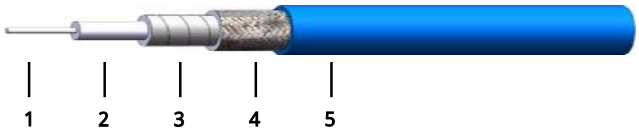
Mechanical

Bend Radius (installation):	40.0mm
Bend Radius (repeated):	81.0mm
Weight:	134g/m

Environmental

Temperature:	-55~+125℃

Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	2.30	Silver-plated copper
2	Dielectric	6.80	Low density PTFE
3	Inner Shield	6.95	Self-adhesive aluminum foil
4	Outer Shield	7.50	Silver-plated copper braid
5	Jacket	8.10	FEP

Attenuation & Power Handling

Frequency (GHz)	0.3	0.5	1	3	6	10	12.4	18
Attenuation[*1] (dB/100m)	8.0	10.5	15.1	27.3	40.1	53.8	61.0	76.3
Average Power[*2] (W)	3141	2409	1471	814	553	412	363	291

[1] VSWR:1.0; Ambient: +25℃ (77℉)
[2] VSWR:1.0; Ambient: +40℃ (104℉); Sea level
Calcuate Cable Attenuation: Attenuation (dB/100m) = $0.448000 \times \sqrt{F\ (MHz)} + 0.000898 \times F\ (MHz)$
Calcuate Connector Attenuation: Attenuation (dB) = $0.03 \times \sqrt{F\ (GHz)}$

How To Order

NG800-X-Y-Z
X: Frequency in GHz
Y: Connector type
Z: Length in meters

Examples:
To order a NG800 cable assembly, DC-18GHz, N male to N female, 0.5 meter, specify NG800-18-NNF-0.5.

Connector naming rules:
S - SMA (18GHz, VSWR 1.25)
N - N (18GHz, VSWR 1.25)
T - TNC (18GHz, VSWR 1.25)

Female Connector - Add ‘F’ after connector name
Right Angle - Add ‘R’ after connector name (VSWR increase 0.1)

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NG360

Low Loss

Features:
* Low Insertion Loss

Applications:
* Telecom
* Interconnection between equipment

Electrical

Frequency:	DC~18GHz
Cut-off Frequency:	40GHz
Impedance:	50Ω
Velocity of Propagation:	76%
Shielding Effectiveness:	70dB min.
Voltage Withstand:	1000V DC

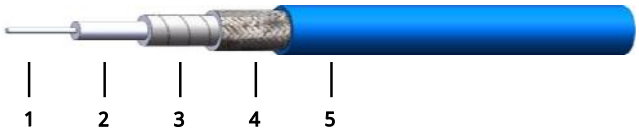
Mechanical

Bend Radius (installation):	18.0mm
Bend Radius (repeated):	36.0mm
Weight:	28g/m

Environmental

Temperature:	-55~+125℃

Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	0.91	Silver-plated copper
2	Dielectric	2.65	Low density PTFE
3	Inner Shield	2.78	Self-adhesive aluminum foil
4	Outer Shield	3.25	Silver-plated copper braid
5	Jacket	3.60	FEP

Attenuation & Power Handling

Frequency (GHz)	0.3	0.5	1	3	6	10	12.4	18
Attenuation[*1] (dB/100m)	21.0	27.2	38.7	67.7	96.9	126.4	141.5	172.3
Average Power[*2] (W)	850	657	462	264	185	141	126	104

[1] VSWR:1.0; Ambient: +25℃ (77℉)
[2] VSWR:1.0; Ambient: +40℃ (104℉); Sea level
Calcuate Cable Attenuation: Attenuation (dB/100m) = $1.204032 * \sqrt{F\ (MHz)} + 0.000600 * F\ (MHz)$
Calcuate Connector Attenuation: Attenuation (dB) = $0.03 * \sqrt{F\ (GHz)}$

How To Order

NG360-X-Y-Z
X: Frequency in GHz
Y: Connector type
Z: Length in meters

Examples:
To order a NG360 cable assembly, DC-18GHz, N male to N female, 0.5 meter, specify NG360-18-NNF-0.5.

Connector naming rules:
2- 2.4mm (18GHz, VSWR 1.2)
K - 2.92mm (18GHz, VSWR 1.2)
A - SSMA (18GHz, VSWR 1.2)
3 - 3.5mm (18GHz, VSWR 1.2)
S - SMA (18GHz, VSWR 1.25)
N - N (18GHz, VSWR 1.25)

Female Connector - Add ‘F’ after connector name
Right Angle - Add ‘R’ after connector name (VSWR increase 0.1)

RFLOGY
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Flexible RF Cables & Assemblies

NG500

Low Loss

Features:
* Low Insertion Loss

Applications:
* Telecom
* Interconnection between equipment

Electrical

Frequency:	DC~18GHz
Cut-off Frequency:	28GHz
Impedance:	50Ω
Velocity of Propagation:	76%
Shielding Effectiveness:	70dB min.
Voltage Withstand:	1500V DC

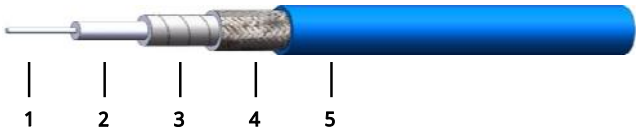
Mechanical

Bend Radius (installation):	25.0mm
Bend Radius (repeated):	51.0mm
Weight:	60g/m

Environmental

Temperature:	-55~+125℃

Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	1.45	Silver-plated copper
2	Dielectric	4.20	Low density PTFE
3	Inner Shield	4.32	Self-adhesive aluminum foil
4	Outer Shield	4.65	Silver-plated copper braid
5	Jacket	5.10	FEP

Attenuation & Power Handling

Frequency (GHz)	0.3	0.5	1	3	6	10	12.4	18
Attenuation*1 (dB/100m)	12.8	16.6	23.8	42.6	62.1	82.7	93.4	115.9
Average Power*2 (W)	1428	1098	766	428	293	220	195	157

[1] VSWR:1.0; Ambient: +25℃ (77℉)
[2] VSWR:1.0; Ambient: +40℃ (104℉); Sea level
Calcuate Cable Attenuation: Attenuation (dB/100m) = $0.718000 \times \sqrt{F\ (MHz)} + 0.001088 \times F\ (MHz)$
Calcuate Connector Attenuation: Attenuation (dB) = $0.03 \times \sqrt{F\ (GHz)}$

How To Order

NG500-X-Y-Z
X: Frequency in GHz
Y: Connector type
Z: Length in meters

Examples:
To order a NG500 cable assembly, DC-18GHz, N male to N female, 0.5 meter, specify NG500-18-NNF-0.5.

Connector naming rules:
3 - 3.5mm (18GHz, VSWR 1.2)
S - SMA (18GHz, VSWR 1.25)
N - N (18GHz, VSWR 1.25)
T - TNC (18GHz, VSWR 1.25)

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