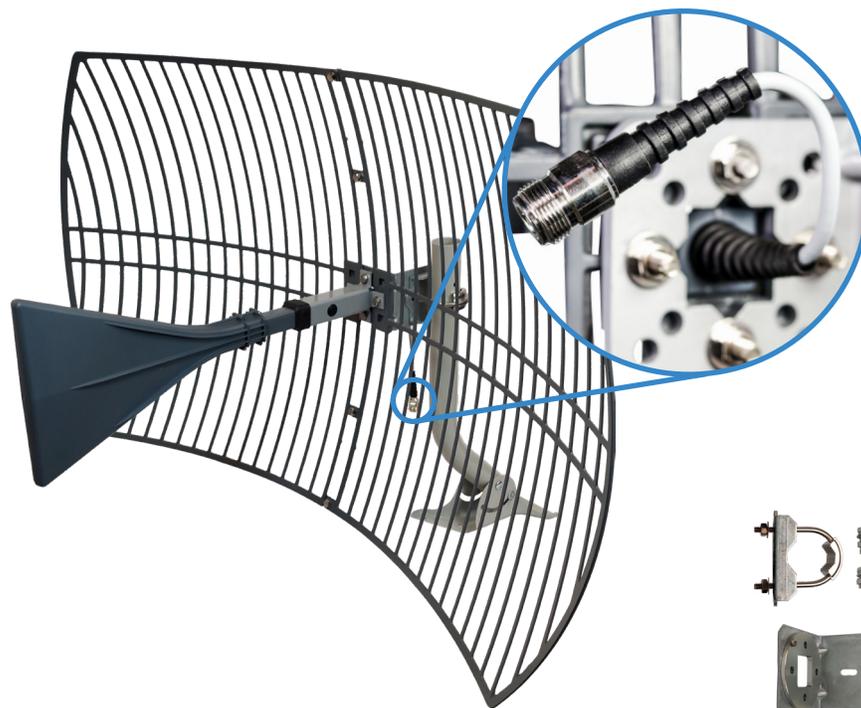


Griddy: Grid Parabolic Antenna

by WAVEFORM

SKU: ANT66NF-GP



Main Features:

- Ultra Wideband Grid Parabolic Antenna
- 50 Ω
- 12-26 dBi
- 600-6500 MHz

Specifications:

Electrical:

Frequency Range	600-960 MHz	1700-2700 MHz	3000-6500 MHz
Gain	14.5 dBi \pm 2.5 dB	21.5 dBi \pm 1.5 dB	24.5 dBi \pm 1.5 dB
Horizontal Beamwidth	20 deg	12 deg	7 deg
Vertical Beamwidth	23 deg	15 deg	9 deg
Front-to-Back Ratio	20 dB		
VSWR	1.6:1	1.5:1	1.4:1
Input Impedance	50 Ω		
Polarization	Horizontal or Vertical		
Maximum Power	100 W		

Mechanical:

Type	Directional
Radome Color	Grey
Radome Material	ASA Anti UV
Dimensions	610 x 990 x 410 mm
Connector Type	N-Female
Cable Type	RG58
Cable Length	25 cm
Net Weight	2.4 kg
Mounting Type	Pole
Mounting Material	Aluminum
Mounting Mast Diam.	38-50 mm

Environmental:

Protection Class	IP65
Rated Wind Velocity	210 km/h
Operating Temperature	-0 to +60 deg C
Lightning Protection	DC Ground



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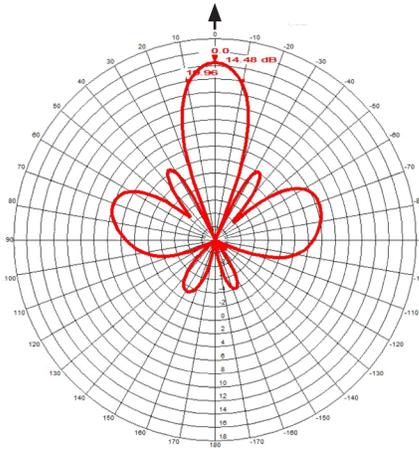
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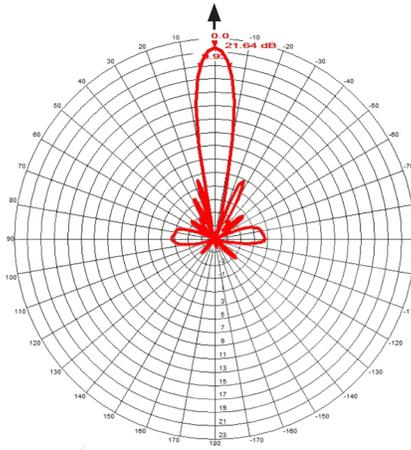
Griddy: Grid Parabolic Antenna

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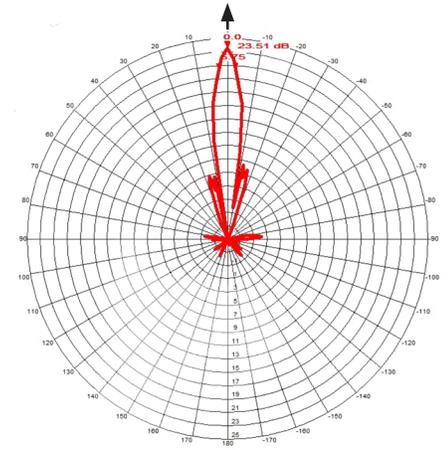
600-960 MHz



1710-2700 MHz



3000-6500 MHz



Vertical Plane
"Top-down view"



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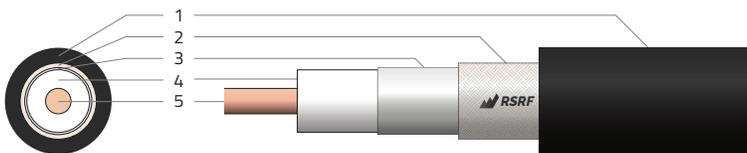
RS400 N-Male to N-Male Coaxial Cable

by WAVEFORM

SKU: RS400-x

Features:

- Variety of cable lengths available
- N-Male connectors
- 0 MHz to 6000 MHz
- 50 Ω Impedance
- 10.16 mm (0.4 in) diameter cable



#	Description	Material	Diameter
1	Jacket	PE	10.16 mm (0.40 in)
2	Outer Shield	Tinned Copper Braid	8.10 mm (0.32 in)
3	Inner Shield	Bonded Aluminum Foil	8.09 mm (0.32 in)
4	Dielectric	PTFE	7.24 mm (0.29 in)
5	Inner Conductor	Copper Clad Aluminum	2.74 mm (0.11 in)

Specifications:

Electrical:

Input Impedance	50 Ω
Frequency Range	0 - 6000 MHz
VSWR	≤ 1.4
Capacitance	< 78.4 pF/m
Velocity	85 %
Shielding	> 90 dB
Power Rating (Peak)	16 kW

RF Attenuation (per 30 ft):

600 MHz	1.1 dB
900 MHz	1.4 dB
1800 MHz	2.1 dB
2100 MHz	2.3 dB
2500 MHz	2.5 dB
3000 MHz	2.8 dB
4000 MHz	3.2 dB
5000 MHz	3.7 dB
6000 MHz	4.1 dB

Mechanical:

Jacket Color	Black
Cable Diameter	10.16 mm (0.4 in)
Cable Length	Varying
Bending Radius	51 mm (2.0 in)
Connector Type	N-Male
Connector Diameter	20.3 mm (0.8 in)
Net Weight	0.08 kg/m (0.05 lbs/ft)

Environmental:

Burial Rated?	No
UV Rated?	Yes
Operating Temperature	-40 to +85 deg C (-40 to 185 deg F)



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TS9-Male to N-Female Pigtail Adapter

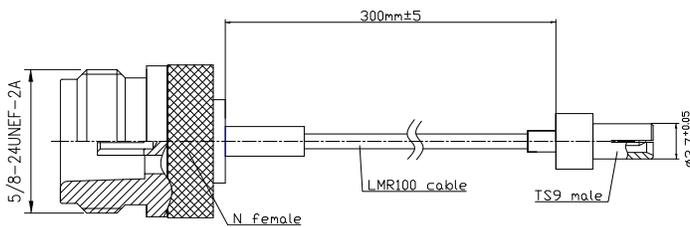
by WAVEFORM

SKU: PTA-100-TS9M-NF



Main Features:

- TS9-Male to N-Female connector
- 0-6000 MHz
- 50 Ω
- 2.79 mm diam. cabling



Section Description	Material	Plating
TS9 Body	Brass	Nickel
N Body	Brass	Nickel
Crimping Suite	Brass	Nickel
Inner Conductor	Phosphor Bronze	Gold
Jacket	PE	
Gasket	Silicone Rubber	
Dielectric	PTFE	

Specifications:

Electrical:		Mechanical:		Environmental:	
Input Impedance	50 Ω	Jacket Color	Black	Burial Rated?	No
Frequency Range	0 - 6000 MHz	Cable Type	LMR100	UV Rated?	No
VSWR	≤ 1.25 (Straight)	Cable Diameter	2.79 mm	Operating Temperature	-40 to +85 deg C
	≤ 1.25 (Right-Angle)	Cable Length	30 cm		
Capacitance	< 101.1 pF/m	Bending Radius	6.35 mm		
Velocity	66 %	Connector A Type	TS9-Male		
Shielding	> 90 dB	Connector A Angle	Straight		
Power Rating (Peak)	0.6 kW	Connector A Diameter	3.8 mm		
Insertion Loss (Typical)	< 0.4 dB @ 6000 MHz	Connector B Type	N-Female		
		Connector B Angle	Straight		
		Connector B Diameter	15.7 mm		
		Net Weight	57 g		



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SMA-Male to N-Female Pigtail Adapter

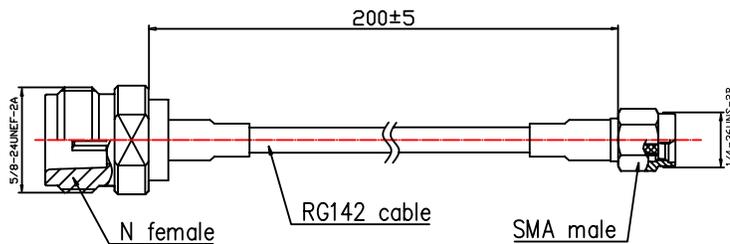
by WAVEFORM

SKU: PTA-SMAM-NF



Main Features:

- SMA-Male to N-Female connector
- 0-6000 MHz
- 50 Ω
- 4.95 mm diam. cabling



Section Description	Material	Plating
SMA Body	Brass	Gold/Nickel
N Body	Brass	Gold/Nickel
Crimping Suite	Copper Alloy	Nickel
Inner Conductor	Brass	Gold/Silver
Jacket	FEP	
Gasket	Silicone Rubber	
Dielectric	PTFE	

Specifications:

Electrical:		Mechanical:		Environmental:	
Input Impedance	50 Ω	Jacket Color	Tan	Burial Rated?	No
Frequency Range	600 - 6000 MHz	Cable Type	RG142	UV Rated?	No
VSWR	≤ 1.2	Cable Diameter	4.95 mm	Operating Temperature	-65 to +165 deg C
Capacitance	< 29.4 pF/m	Cable Length	20 cm		
Velocity	70 %	Bending Radius	25.4 mm		
Shielding	> 88 dB	Connector A Type	SMA-Male		
Power Rating (Peak)	5 kW	Connector A Angle	Straight		
Insertion Loss (Typical)	< 0.7 dB @ 6000 MHz	Connector A Diameter	7.9 mm		
		Connector B Type	N-Female		
		Connector B Angle	Straight		
		Connector B Diameter	15.7 mm		
		Net Weight	29 g		



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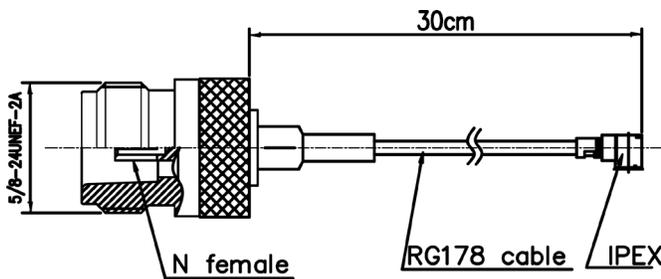
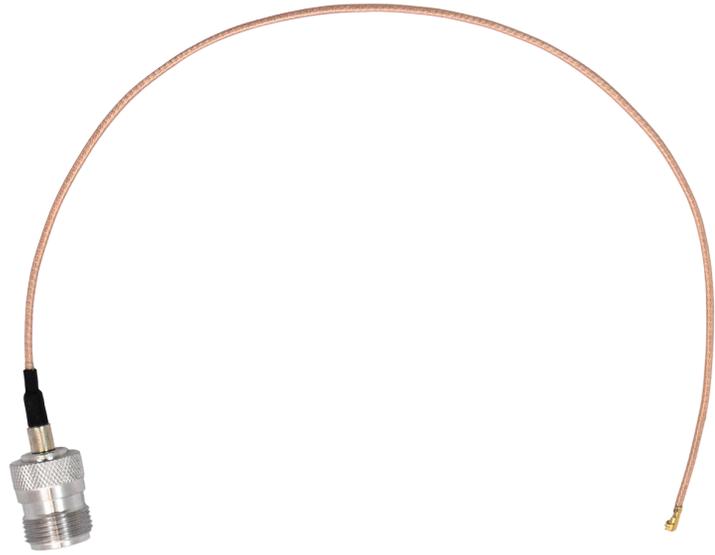
U.FL to N-Female Pigtail Adapter

by WAVEFORM

SKU: PTA-UFLM-NF

Main Features:

- U.FL-Female to N-Female connector
- 0-6000 MHz
- 50 Ω
- 1.8 mm diam. cabling



Section Description	Material	Plating
U.FL Body	Brass	Gold
N Body	Brass	Nickel
Crimping Suite	Brass	Nickel
Inner Conductor	Phosphor Bronze	Gold
Jacket	PE	
Gasket	Silicone Rubber	
Dielectric	PTFE	

Specifications:

Electrical:		Mechanical:		Environmental:	
Input Impedance	50 Ω	Jacket Color	Orange	Burial Rated?	No
Frequency Range	0 - 6000 MHz	Cable Type	RG178	UV Rated?	No
VSWR	≤ 1.25 (Straight) ≤ 1.30 (Right Angle)	Cable Diameter	1.8 mm (0.07 in.)	Operating Temperature	-55 to +155 deg C
Capacitance	< 94.46 pF/m	Cable Length	30 cm (12 in.)		
Velocity	70 %	Bending Radius	7.5 mm (0.3 in.)		
Voltage	1500 V max (Working) 2500 V rms (Withstand)	Connector A Type	U.FL-Female		
Insertion Loss (Typical)	< 0.7 dB @ 6000 MHz	Connector A Angle	Right Angle		
Contact Resistance	≤ 1 m Ω (Center) ≤ 1 m Ω (Outer)	Connector A Diameter	2.0 mm (0.08 in.)		
Insulation Resistance	≥ 5000 M Ω	Connector B Type	N-Female		
Shielding	> 40 dB	Connector B Angle	Straight		
Power Rating (Peak)	0.4 kW	Connector B Diameter	15.7 mm (0.62 in.)		
		Net Weight	42 g (1.5 oz.)		



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