



TerraWave Solutions® TWS-600 Coaxial Cable

TerraWave's **TWS-600** series cable is designed for easy installation with maximum flexibility where curves, bends and twists rule out the use of standard hard-line transmission cables. The cable is constructed of a UV resistant polyethylene Jack (F)et providing maximum durability and protection from harsh elements and is designed for any application requiring high-quality, flexible cabling such as WLL, GPS, WLAN, WISP, WiMax, SCADA and mobile applications. TerraWave's cable is compatible with a wide variety of connectors and is ideal for any off-the-shelf or customized cable assembly.



TerraWave Part Number: TWS-600

Construction Specification		
	Material	Diameter
Inner Conductor	Copper Clad Aluminum	0.176" ± 0.001"
Dielectric	Physical Foam Polyethylene	0.455" ± 0.012"
Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	Nominal 0.492"
Jacket	Black Polyethylene	0.590" ± 0.008"

Electrical Characteristics	
Capacitance	23.4 pF/ft
Impedance	50 Ω
Inductance	.058 μH/ft
Velocity	87%
Inner Conductor DC Resistance	< 0.53 (Ω/1000 ft)
Outer Conductor DC Resistance	< 1.2 (Ω/1000 ft)
Shielding Effectiveness	> 90 dB
Jacket Spark	5000 VAC
Cut off Frequency	10.3 GHz
Peak Power	40 kW

Mechanical and Environmental Characteristics	
Min. Bend Radius	2.953"
Storage Temperature	-70° F to +185° F
Installation Temperature	-40° F to +185° F
Operating Temperature	-40° F to +185° F

General Information	
Warranty	5 Years
Life Expectancy	20 Years for Outdoor Use



Attenuation and Avg. Power (68° F)			
Frequency MHz	Typical Attenuation dB/100 ft	Max Attenuation dB/100 ft	Average Power kW
30	0.42	0.54	4.93
50	0.55	0.66	3.83
150	1.0	1.1	2.16
220	1.2	1.3	1.77
450	1.7	1.9	1.23
900	2.5	2.7	0.84
1500	3.3	3.7	0.63
1800	3.7	4.1	0.57
2000	3.9	4.3	0.54
2500	4.4	4.9	0.48
5800	7.3	8.2	0.29

**TerraWave Solutions® TWS-600 Coaxial Cable (continued)
Connectors for TWS-600 Series Cable**



**TWS-600 Series
RPTNC Plug (M)**



**TWS-600 Series
SMA Jack (F)**



**TWS-600 Series
RPTNC Jack (F)**

TerraWave Part Number	Product Description
CON-01-600	RPTNC Jack (F)
CON-02-600	RPTNC Plug (M)
CON-03-600	RPTNC BH Jack (F)
CON-04-600	TNC Jack (F)
CON-05-600	TNC Plug (M)
CON-06-600	N-Style Jack (F)
CON-07-600	N-Style Plug (M)
CON-08-600	N-Style BH Jack (F)

TerraWave Part Number	Product Description
CON-09-600	RP N-Style Jack (F)
CON-10-600	RP N-Style Plug (M)
CON-11-600	BNC Jack (F)
CON-12-600	BNC Plug (M)
CON-13-600	RPBNC Jack (F)
CON-14-600	RPBNC Plug (M)
CON-15-600	RPBNC BH Jack (F)

Crimping Tool for TWS-600 Series Cable

TerraWave Part Number	Product Description
HT-H136A	Crimp Tool for TWS-600



Connector Adapters for TWS-600 Connectors

TerraWave Part Number	Product Description
RARPTNCJ-RPTNCP	RA RPTNC Jack (F) to RPTNC Plug (M)
RPTNCJACK-NPLUG	RPTNC Jack (F) to N-Style Plug (M)
RPTNCP-NJ	RPTNC Plug (M) to N-Style Jack (F)
RPTNCP-NP	RPTNC Plug (M) to N-Style Plug (M)
RPTNCP-RPSMAJ	RPTNC Plug (M) to RPSMA Jack (F)
NJACK-NJACK	N-Style Jack (F) to N-Style Jack (F)
NM-NM	N-Style Plug (M) to N-Style Plug (M)
SMAP-TNCJ	SMA Plug (M) to TNC Jack (F)
AXA-SMSM	SMA Jack (F) to SMA Jack (F)



**N-Style Plug (M)
to N-Style Plug (M)**



**RA RPTNC Jack (F)
to RPTNC Plug (M)**

RoHS