

TWS-600 Bulk Coaxial Cable

TerraWave's TWS-600 series cable is designed for easy installation. With maximum flexibility where curves, bends and twists exist, our cable eliminates the need for hard-line transmission cables. The cable is constructed of a UV resistant polyethylene jacket, providing maximum durability and protection from harsh elements. Our 600 series cable is ideal 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 TerraWave connectors and is can be used for an off-the-shelf cable assembly or customized cable assembly. *For questions or to purchase product, contact your Regional Sales Executive at 210-375-8482, 800-851-4965 or sales@terra-wave.com.*



TESSCO SKU: 380359
TerraWave Part Number: TWS-600

Construction Specifications		
	Material	Diameter
Inner Conductor	Copper Clad Aluminum	0.176"
Dielectric	Physical Foam Polyethylene	0.455"
Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	Nominal 0.492"
Jacket	Black Polyethylene	0.59"

Electrical Characteristics	
Capacitance	23.4 pF/ft
Impedance	50 Ω
Velocity	87%
Inner Conductor DC Resistance	< 0.65 (Ω /1000 ft)
Outer Conductor DC Resistance	< 1.5 (Ω /1000 ft)
Shielding Effectiveness	> 90 dB
Inductance	0.058 μ H/ft
Jacket Spark	5000 VAC
Cut off Frequency	10.3 GHz
Peak Power	40 kW
Return Loss	$\leq$ -18 dB (0.03-3000 MHz)

Mechanical and Environmental Characteristics	
Installation Bend Radius	1.5"
Repeated Bend Radius	6.0"
Weight	0.131 lb/ft
Operating Temperature	-40° F to +185° F
Installation Temperature	-40° F to +185° F
Storage Temperature	-94° F to +185° F

General Information	
Warranty	7 Years
Life Expectancy	20 Years (Outdoor Use)



Attenuation (68° F) and Avg. Power (104°F) At Sea Level			
Frequency MHz	Typical Attenuation dB/100 ft	Max Attenuation dB/100 ft	Average Power kW
30	0.4	0.46	5.51
50	0.5	0.55	4.24
150	1.0	1.1	2.16
220	1.2	1.3	1.77
450	1.7	1.9	1.23
700	2.18	2.45	0.95
750	2.26	2.55	0.92
800	2.35	2.63	0.88
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

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> Connectors for TWS-600 Series Cable



TWS-600 Series
N-Style Bulkhead Jack (F)



TWS-600 Series
SMA Jack (F)



TWS-600 Series
RPTNC Plug (M)

TESSCO SKU	TerraWave Part Number	Product Description
498985	CON-01-600	RPTNC Jack (F)
491959	CON-02-600	RPTNC Plug (M)
474992	CON-03-600	RPTNC BH Jack (F)
499904	CON-04-600	TNC Jack (F)
462916	CON-05-600	TNC Plug (M)
471981	CON-06-600	N-Style Jack (F)
474949	CON-07-600	N-Style Plug (M)
438931	CON-08-600	N-Style BH Jack (F)

TESSCO SKU	TerraWave Part Number	Product Description
438931	CON-09-600	RP N-Style Jack (F)
445932	CON-10-600	RP N-Style Plug (M)
454978	CON-11-600	BNC Jack (F)
448980	CON-12-600	BNC Plug (M)
477918	CON-13-600	RPBNC Jack (F)
473996	CON-14-600	RPBNC Plug (M)
457986	CON-15-600	RPBNC BH Jack (F)

> Tools for TWS-600 Series Cable

TESSCO SKU	TerraWave Part Number	Description
418994	HT-336T	Crimp Tool for TWS-600 Series Cable



> Connector Adapters for TWS-600 Series Cable

TESSCO SKU	TerraWave Part Number	Product Description
323264	RARPTNCJ-RPTNCP	RA RPTNC Jack (F) to RPTNC Plug (M)
467986	RPTNCJACK-NPLUG	RPTNC Jack (F) to N-Style Plug (M)
413999	RPTNCP-NJ	RPTNC Plug (M) to N-Style Jack (F)
424971	RPTNCP-NP	RPTNC Plug (M) to N-Style Plug (M)
315485	RPTNCP-RPSMAJ	RPTNC Plug (M) to RPSMA Jack (F)
424995	NJACK-NJACK	N-Style Jack (F) to N-Style Jack (F)
485981	NM-NM	N-Style Plug (M) to N-Style Plug (M)
312060	SMAP-TNCJ	SMA Plug (M) to TNC Jack (F)
437905	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)