



TerraWave Solutions® TWS-200 Coaxial Cable

TerraWave's **TWS-200** 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 jacket 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. Visit www.terrawave.com for additional information.



TESSCO SKU: 370218
TerraWave Part Number: TWS-200

Construction Specification		
	Material	Diameter
Inner Conductor	Solid Copper	0.041" ± 0.001"
Dielectric	Physical Foam Polyethylene	0.116" ± 0.006"
Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	Nominal 0.114"
Jacket	Black Polyethylene	0.195" ± 0.006"

Electrical Characteristics	
Capacitance	24.5 pF/ft
Impedance	50 Ω
Inductance	0.059 μH/ft
Velocity	80%
Inner Conductor DC Resistance	< 5.36 (Ω/1000 ft)
Outer Conductor DC Resistance	< 4.9 (Ω/1000 ft)
Shielding Effectiveness	> 90 dB
Jacket Spark	5000 VAC
Cut off Frequency	39 GHz
Peak Power	2.5 kW

Mechanical and Environmental Characteristics	
Min. Bend Radius	0.984"
Storage Temperature	-70° F to +185° F
Installation Temperature	-40° F to +185° F
Operating Temperature	-40° F to +185° F

General Information	
Warranty	7 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	1.8	1.93	0.78
50	2.3	2.41	0.60
150	4.0	4.10	0.35
220	4.8	4.90	0.29
450	7.0	7.14	0.20
900	9.9	10.1	0.14
1500	12.9	13.2	0.11
1800	14.2	14.5	0.10
2000	15.0	15.3	0.09
2500	16.9	17.3	0.08
5800	26.4	27.0	0.05

For detailed product information and to purchase product, please contact a TerraWave wireless networking solutions sales engineer at 210-375-8482, 800-851-4965, sales@terrawave.com or visit www.terrawave.com.

Version: 2.5



**TerraWave Solutions® TWS-200 Coaxial Cable (continued)
Connectors for TWS-200 Series Cable**



**TWS-200 Series
SMA Jack (F)**



**TWS-200 Series
RPTNC Plug (M)**

TESSCO SKU	TerraWave Part Number	Product Description
344294	CON-01-200	RPTNC Jack (F)
314023	CON-02-200	RPTNC Plug (M)
384970	CON-04-200	TNC Jack (F)
384280	CON-05-200	TNC Plug (M)
394531	CON-06-200	N-Style Jack (F)
324813	CON-07-200	N-Style Plug (M)
314991	CON-11-200	BNC Jack (F)
334631	CON-12-200	BNC Plug (M)
394575	CON-13-200	RPBNC Jack (F)

TESSCO SKU	TerraWave Part Number	Product Description
394813	CON-14-200	RPBNC Plug (M)
334534	CON-17-200	SMA Jack (F)
304902	CON-18-200	SMA Plug (M)
374510	CON-19-200	RPSMA Jack (F)
334415	CON-20-200	RPSMA Plug (M)
354802	CON-23-200	SMA BH Jack (F)
394559	CON-30-200	RPSMA BH Jack (F)
374944	CON-35-200	UHF Plug (M)

Crimping Tool for TWS-200 Series Cable

TESSCO SKU	TerraWave Part Number	Product Description
487941	HT-336A	Crimp Tool for TWS-195, TWS-200 & TWS-240



Connector Adapters for TWS-200 Connectors

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 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)**

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