



## TerraWave Solutions® TWS-240UF (Ultra Flex) Coaxial Cable

TerraWave's low-loss **TWS-240UF** series cable is designed for short antenna feeder runs for easy installation with maximum flexibility where curves, bends and twists rule out the use of standard hard-line transmission cables. The cable jacket is constructed of thermoplastic elastomer, an extremely durable synthetic rubber. The cable construction offers increased flexibility and is perfectly suited for indoor or outdoor applications where multiple bending is required for installation. 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](http://www.terrawave.com) for additional information.



TESSCO SKU: 350191  
TerraWave Part Number: TWS-240UF

Construction Specification		
	Material	Diameter
Inner Conductor	Stranded BC	0.056"
Dielectric	Physical Foam Polyethylene	0.155" ± 0.006"
Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	Nominal 0.178"
Jacket	Black Thermoplastic Elastomer	0.240" ± 0.008"

Electrical Characteristics	
Capacitance	24.2 pF/ft
Impedance	50 Ω
Inductance	0.060 μH/ft
Velocity	84%
Inner Conductor DC Resistance	< 3.2 (Ω/1000 ft)
Outer Conductor DC Resistance	< 3.89 (Ω/1000 ft)
Shielding Effectiveness	> 90 dB
Jacket Spark	5000 VAC
Cut off Frequency	31 GHz
Peak Power	5.6 kW

Mechanical and Environmental Characteristics	
Min. Bend Radius	0.752"
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	10 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	1.6	1.632	1.24
50	2.1	2.14	0.96
150	3.6	3.672	0.55
220	4.4	4.488	0.45
450	6.3	6.426	0.31
900	9.1	9.282	0.22
1500	11.8	12.036	0.17
1800	13.0	13.26	0.15
2000	13.8	14.076	0.14
2500	15.5	15.81	0.13
5800	24.4	24.888	0.08

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](mailto:sales@terrawave.com) or visit [www.terrawave.com](http://www.terrawave.com).

Version: 2.5



**TerraWave Solutions® TWS-240UF Coaxial Cable (continued)  
Crimping Tool for TWS-240UF 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-240UF 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 (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)

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