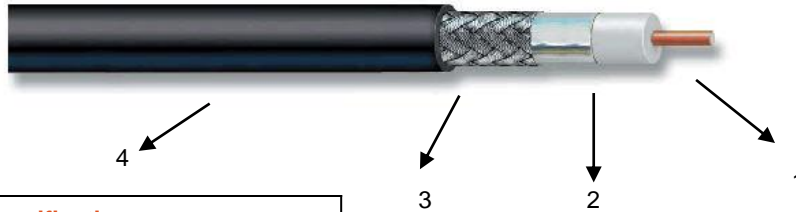


TWS-400UF Coaxial Cable



Construction Specifications		
	Material	Diameter in/mm
1. Inner Conductor	Stranded BC	0.108"
2. Dielectric	Physical Foam Polyethylene	0.285"
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	Nominal 0.32"
4. Jacket	Black Thermoplastic Elastomer	0.40"

Part Number	TWS-400UF
Tessco Sku	390782

Electrical Characteristics	
Capacitance	Nom 78pF/m
Impedance	50 Ohm
Velocity	85%
Inner Conductor DC Resistance	< 1.39 (Ω/1000ft)
Outer Conductor DC Resistance	< 1.85 (Ω/1000ft)
Time Delay(ns/M)	4.40 ns/m
Shielding Effectiveness	≥90dB
Inductance (μH/m)	.22
Voltage Withstand	2500 VDC
Jacket Spark(rms)	5000 VAC
Cut Off Frequency	16.2 GHz
Peak Power	16 kW
Return Loss 0-3GHz	-18

Ventev's low-loss TWS-400UF 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. Ventev cable is compatible with a wide variety of connectors and is ideal for any off-the-shelf or customized cable assembly.

Ventev bulk cable is covered by the company's 7-year warranty.
For questions or to purchase contact Ventev: 800.851.4965 or sales@ventev.com

Mechanical and Environmental Characteristics	
Installation Bend Radius	1"
Repeated Bend Radius	4"
Tensile Strength	160 lbs.
Flat Plate Crush (lb/in)	20
Operating Temp	-40 °C to +85 °C
Installation Temp	-70 °C to +85 °C
Storage Temp	-40 °C to +85 °C
RoHS/REACH	Compliant

Attenuation (68° F) and Avg. Power (104°F) At Sea Level		
Frequency (MHz)	Max Attenuation dB/100 ft	Max Attenuation dB/100m
30	1.0	3.4
50	1.3	4.4
150	2.1	7.1
220	2.5	8.4
450	3.6	12.0
700	4.6	15.2
800	4.9	16.4
900	5.2	17.5
1500	7.0	23.4
1800	7.7	26.0
2000	8.2	27.6
2500	9.2	31.1
3000	10.1	34.3
3500	11.0	37.6
5800	15.6	53.4
6000	15.6	53.5
6300	16.1	55.2
6600	16.6	57.4
6900	16.8	58.1
7300	17.4	60.3

TWS-400UF Coaxial Cable

Connectors for TWS-400 Cable

Part Number	Tessco Sku	Description
CON-01-400	440939	RPTNC Female
CON-02-400	416952	RPTNC Male
CON-03-400	452950	RPTNC BH Female
CON-04-400	493911	TNC Female
CON-05-400	415903	TNC Male
CON-06-400	422933	N-Style Female
CON-07-400	462958	N-Style Male
CON-07-400-RA	436949	RA N-Style Male
CON-08-400	483983	N-Style BH Female
CON-11-400	488953	BNC Female
CON-12-400	443916	BNC Male
CON-17-400	479910	SMA Female
CON-18-400	451992	SMA Male
CON-19-400	432923	RPSMA Female
CON-20-400	464918	RPSMA Male
CON-01-400-CP	389624	RPTNC Female with CCP
CON-02-400-CP	389434	RPTNC Male with CCP
CON-05-400-CP	367873	TNC Male with CCP
CON-06-400-CP	346020	N-Style Female
CON-07-400-CP	346795	N-Style Male
CON-07-400-CP-HEX	348407	N-Style Male Hex Head with CCP
CON-20-400-CP	318283	RPTNC Female with CCP

Tools for TWS-400 Cable

Part Number	Tessco Sku	Description
HT-106L	316485	Crimp Tool
HT-322S3	435904	3-Blade Strip Tool
TWS-CTK-400	372317	3-Blade Strip and Crimp Tool Kit