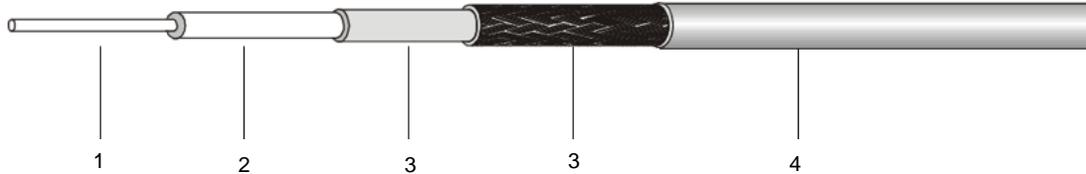


TWS-600 Low Loss Coaxial Cable



Construction Specifications

	Material	Diameter in/mm
1. Inner Conductor	Copper Clad Aluminum	0.176" / 4.47±0.05
2. Dielectric	Physical Foam Polyethylene	0.455" / Nom 11.56
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	0.492" / Nom.12.50
4. Jacket	Black Polyethylene	0.59 / 14.99±0.20

Part Number	TWS-600
Tessco SKU	380359

Ventev's TWS-600 series cable is designed for easy installation with maximum flexibility where curves, bends and twists rule out the use of standard hardline 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, Wi-Fi, WLAN, WISP, WiMax, SCADA and mobile applications. Ventev's cable is compatible with a wide variety of connectors and is ideal for any off-the-shelf or customized cable assembly.

All Ventev cable is covered by the company's 7-year warranty.

For questions or to purchase product, contact Ventev: 800-851-4965 or sales @ventev.com.

Electrical Characteristics

Capacitance (pF/ft) (pFm)	23.4 / 76.6
Impedance (ohm)	50
Velocity (%)	87
Inner Conductor DC Resistance (Ω/1000ft) (Ω/Km)	< .65 / 2.13
Outer Conductor DC Resistance (Ω/1000ft) (Ω/Km)	< 1.5 / 4.92
Time Delay (nS/ft) / (nS/M)	1.17 / 3.83
Shielding Effectiveness (dB)	>90
Inductance (μH/ft)/ (μH/m)	0.058 / 0.19
Voltage Withstand (VDC)	4000
Jacket Spark(VAC)	5000
Cut Off Frequency (GHz)	10.3
Peak Power (kW)	40
Return Loss ≤ dB (0.03~3000MHz)	-18

Mechanical and Environmental Characteristics

Min. Bend Installation Radius	1.50" / 38.1 mm
Min. Bend Repeated Radius	6.0" / 152.4 mm
Bending Movement ft-lb (N-m)	2.75 / 3.73
Weight lb/ft (kg/m)	0.131 / 0.20
Tensile Strength lb (kg)	350 / 158.9
Flat Plate Crush lb/in (kg/mm)	60 / 1.07
Operating Temperature	-40F to +185F/ -40C to +85C
Storage Temperature	-40F to +185F/ -40C to +85C
Installation Temperature	-40F to +185F / -70C to +85C
RoHS / REACH	Compliant

Attenuation (68° F) and Avg. Power (104°F) At Sea Level

Frequency MHz	Max Attenuation dB/100 ft
30	0.46
50	0.55
150	1.1
220	1.3
450	1.9
700	2.45
750	2.55
800	2.63
900	2.7
1500	3.7
1800	4.1
2000	4.3
2500	4.9
5800	8.2
6000	8.91
6500	9.24
7000	9.25
7300	10.1

TWS-600 Low Loss Coaxial Cable

Connectors for TWS-600 Series Cable

Part Number	Tessco Sku	Description
CON-06-600-CP	376108	N Female Connector with Captivated Center Pin
CON-07-600	474949	N Male Connector
CON-07-600-CP	316616	N Male Connector with Captivated Center Pin
CON-07-600-HEX	378005	N Male Connector with Hex Head
CON-20-600-CP	319889	RPSMA Male with Captivated Center Pin
CON-01-600	498985	RPTNC Female Connector
CON-02-600	491959	RPTNC Male Connector
CON-05-600	462916	TNC Male Connector

Tools for TWS-600 Series Cable

Part Number	Tessco Sku	Description
HT-H136A	418994	Crimp Tool