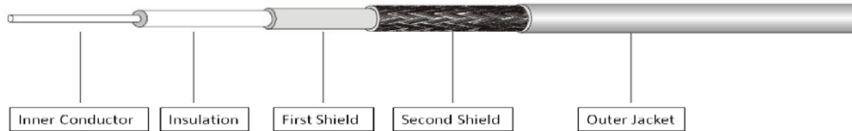


TWS-200 Coaxial Cable



Construction Specifications		
	Material	Diameter in/mm
Inner Conductor	Bare Copper	1.12 ±0.02 mm
Dielectric	Physical Foam Polyethylene	2.95 ± 0.10mm
Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	3.75 ± 0.10mm
Jacket	Black PE	4.95 ± 0.15 mm
Jacket Marking	The surface markings Information should include following contents: According to customer requirements	

Part Number	TWS-200
Tessco Sku	370218

Ventev'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, Wi-Fi, WLAN, WISP, WiMAX, SCADA and mobile applications.

Electrical Characteristics	
Capacitance (pF/m)	80.4
Impedance (ohm)	50
Velocity (%)	83
Inner Conductor DC Resistance (Ω/KM)	< 18.5
Outer Conductor DC Resistance (Ω/KM)	< 17.5
Jacket Spark (VAC)	3000
Peak Power (kW)	2.5

Attenuation (68° F) and Avg. Power (104°F) At Sea Level		
Frequency (MHz)	Max Attenuation dB/100 ft	Max Attenuation dB/100m
30	2.1	7.0
50	2.7	8.8
150	4.4	14.4
220	5.3	17.5
450	7.7	25.1
900	10.9	35.9
1500	14.2	46.6
1800	15.6	51.3
2000	16.5	54.2
2500	18.6	60.9
3000	20.2	66.2
5800	29.0	95.2
6000	30.2	99.0
6300	30.4	99.6
6600	32.2	105.7
6900	32.5	106.7
7300	34.0	111.7

Mechanical and Environmental Characteristics	
Min. Bend Installation Radius in	1.0"
Min. Bend Repeated Radius in	4.0"
Operating Temperature	-40°C to +85°C
Storage Temperature	-70°C to +85°C
Installation Temperature	-40°C to +85°C
Return Loss ≤ dB (0.03~3000MHz)	≤ -18 dB (0.03-3000 MHz)