

TWS-100 Bulk Coaxial Cable



Construction Specifications

	Material	Diameter (in)
1. Inner Conductor	Solid Copper Clad Steel	0.018"
2. Dielectric	Solid Polyethylene	0.059"
3. Outer Conductor	Un-Bonded Aluminum Foil + Tinned Copper Braid	Nominal 0.083"
4. Jacket	Low Smoke Zero Halogen (LSZH)	0.109"

Part Number

TWS-100

Tessco Sku

370169

Ventev's TWS-100 series bulk coaxial cable is designed for easy installation. With maximum flexibility where curves, bends and twists exist our cable eliminates the need for hardline transmission cables. The cable is constructed of a UV resistant polyethylene jacket providing durability and protection from harsh elements. It is designed for any application requiring high-quality, flexible cabling such as WLL, GPS, WLAN, WISP, WiMAX, SCADA and mobile applications.

Electrical Characteristics

Capacitance (pF/ft)	30.8
Impedance (ohm)	50
Velocity (%)	66
Inner Conductor DC Resistance (Ω /1000ft)	< 81
Outer Conductor DC Resistance (Ω /1000ft)	< 9.5
Jacket Spark (VAC)	2000
Peak Power (kW)	0.6

Mechanical and Environmental Characteristics

Min. Bend Installation Radius (in)	0.25"
Min. Bend Repeated Radius (in)	1.0"
Operating Temperature	-40°F to +185°F
Storage Temperature	-40°F to +185°F
Installation Temperature	-40°F to +185°F
Return Loss dB (0.03~3000MHz)	-18 dB

Attenuation at (20°C / 68°F) at Sea Level

Frequency MHz	Max Attenuation dB/100Ft
30	4.7
50	5.6
150	9.0
220	11.0
450	15.8
700	20.1
750	20.8
800	21.6
900	22.9
1500	30.5
1800	33.5
2000	35.5
2500	40.5
5800	66.0



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Connectors for TWS-100 Series Cable

Manufacturer Part Number	Sku	Description
CON-01-100	487998	RPTNC Female
CON-02-100	459956	RPTNC Male
CON-02-100-RA	443991	RA RPTNC Male
CON-03-100	456996	RPTNC BHFemale
CON-04-100	438970	TNC Female
CON-05-100	419903	TNC Male
CON-06-100	463940	N-Style Female
CON-07-100	481930	N-Style Male
CON-08-100	414984	N-Style BHFemale
CON-09-100	455949	RP N-Style Female
CON-10-100	474969	RP N-Style Male
CON-11-100	489956	BNC Female
CON-11-100-BH	433936	BNC BH Female
CON-12-100	466973	BNC Male
CON-13-100	486947	RPBNC Female
CON-14-100	448925	RPBNC Male (M)
CON-15-100	494978	RPBNC BH Female (F)
CON-17-100	456942	SMA Female (F)
CON-18-100	495920	SMA Male (M)
CON-20-100	414908	RPSMA Male (M)
CON-21-100	426939	RA MCX Male (M)
CON-22-100	477908	RA MMCX Male (M)
CON-24-100	482975	Proxim Connector (F)
CON-25-100	494915	TNC BH Female (F)
CON-30-100	449982	RPSMA BH Female (F)
CON-33-100	492958	MMCX Female (F)
CON-33-100-RA	370114	RA MMCX Female (F)
CON-34-100	430954	MMCX Male (M)

Tools for TWS-100 Series Cable

Manufacturer Part Number	Sku	Description
HT-336T	471989	Crimp Tool for TWS-100 Series Cable