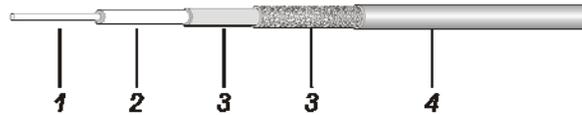# TWS-195-P Plenum Bulk Coaxial Cable

The Ventev 195 Series Plenum Cable is ideal for indoor Plenum requirements such as those found in dropped ceilings and raised floors. All Ventev Plenum cable is UL Listed and carries the CMP rating. Similar to the Ventev low-loss coaxial braided cable, the Plenum cable retains high flexibility while offering minimal signal loss. Using an orange fire retardant PVC jacket, Plenum cable has excellent shielding properties using dual-ply outer conductors achieving >90dB effectiveness. An excellent alternative to RG142 Plenum cable, the Ventev Plenum cable can be ordered in bulk and is available in standard and custom cable assemblies. Ventev Plenum cable is compatible with a wide variety of Terrawave connectors. *For questions or to purchase product, contact your Regional Sales Executive at 210-375-8482, 800-851-4965 or sales@ventev.com*

TESSCO No. 518516

Construction Specifications

	Material	Diameter (inches)	Diameter (mm)
Inner Conductor	Solid Dare Copper	0.037	.0939
Dielectric	Foam FEP	0.11	2.79
Outer Conductor	Aluminum Foil + Tinned Copper Braid	0.138	3.5
Jacket	Orange FRPVC	0.195	4.95

Electrical Characteristics

Capacitance	26.7pf/ft, 87.6 pf/m
Impedance	50 Ω
Velocity	76%
Inner Conductor DC Resistance	26.6(Ω/1000 ft), 87.2(Ω/1000mm)
Outer Conductor DC Resistance	19.2(Ω/1000 ft), 62.99(Ω/1000mm)
Shielding Effectiveness	> 90 dB
Inductance	0.067 µH/ft. , 0.22 µH/m
Jacket Spark	3000 VAC
Cut off Frequency	36 GHz
Peak Power	2.5 kW

Mechanical and Environmental Characteristics

Installation Bend Radius	0.5"	12.7 mm
Repeated Bend Radius	2.0"	50.8 mm
Weight	0.10 lb	0.45 kg
Operating Temperature	23° to +167° F	-5° to +75° C
Installation Temperature	23° to +167° F	-5° to +75° C
Storage Temperature	23° to +167° F	-5° to +75° C

General Information

Warranty	7 Years
RoHS / REACH	Compliant
UL Approved	CMP

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

Frequency MHz	Typical Attenuation dB/100ft	Typical Attenuation dB/100m	Average Power kW
30	2.2	7.2	0.70
50	2.71	8.9	0.54
150	4.34	14.24	0.31
220	5.30	17.4	0.26
450	8.00	26.24	0.18
900	12.20	40	0.12
1500	16.00	52.47	0.10
1800	17.61	57.75	0.09
2000	19.30	63.3	0.08
2500	23.60	77.41	0.07
3000	25.69	84.25	0.06
5800	31.89	104.6	0.05

TWS-195-P Plenum Bulk Coaxial Cable

> Connectors for TWS-195 -P Series Cable

TESSCO SKU	TerraWave Part Number	Product Description
488984	CON-01-195	RPTNC Jack (F)
463990	CON-02-195	RPTNC Plug (M)
308167	CON-02RA-195	Right Angle RPTNC Plug
487973	CON-03-195	RPTNC BH Jack (F)
496905	CON-04-195	TNC Jack (F)
423926	CON-05-195	TNC Plug (M)
466951	CON-06-195	N-Style Jack (F)
430967	CON-07-195	N-Style Plug (M)
451950	CON-08-195	N-Style BH Jack (F)
493983	CON-09-195	RP N-Style Jack (F)
469946	CON-10-195	RP N-Style Plug (M)
431978	CON-11-195	BNC Jack (F)
362963	CON-11-195-BH	BNC BH Jack (F)

TESSCO SKU	TerraWave Part Number	Product Description
415977	CON-12-195	BNC Plug (M)
481989	CON-13-195	RPBNC Jack (F)
442956	CON-14-195	RPBNC Plug (M)
499977	CON-15-195	RPBNC BH Jack (F)
486992	CON-17-195	SMA Jack (F)
488957	CON-18-195	SMA Plug (M)
419972	CON-18-195-RA	RA SMA Plug (M)
475930	CON-19-195	RPSMA Jack (F)
444926	CON-19-195-RA	RA RPSMA Jack (F)
432900	CON-20-195	RPSMA Plug
453939	CON-23-195	SMA BH Jack (F)
303878	CON-30-195	RPSMA BH Jack (F)

RPTNC Jack (M) with Captivated Center Pin

TESSCO SKU	TerraWave Part Number	Product Description
358950	CON-19-195-CCP	RPSMA Jack (M) with CCP
368457	CON-20-195-CCP	RPSMA Plug (F) with CCP
359366	CON-01-195-CCP	RPTNC Jack (M) with CCP
319726	CON-02-195-CCP	RPTNC Plub (F) with CCP

> Tools for TWS-195-P Series Cable

TESSCO SKU	TerraWave Part Number	Description
452919	HT-336P1	Crimp Tool (RG 58, 59, 62, 6)
487941	HT-336A	Crimp Tool (RG 58, 59, 62)
411972	HT-322S	2 Blade Strip Tool
490947	HT-312B	3 Blade Strip Tool

HT-336P1 Crimp Tool   **HT-312B Strip Tool**

> Connector Adapters for TWS-195-P Series Cable

TESSCO 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)**