

Product Information

T174PD93T-VB

Series 174 Type Coaxial Cable

(Low Loss)

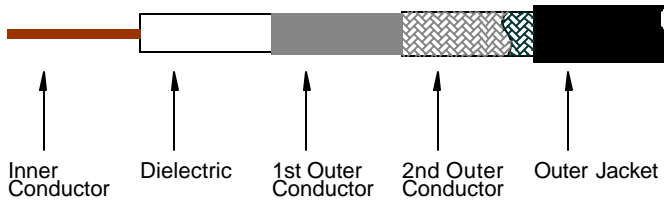
Copper Clad Steel Conductor

Solid Polyethylene Dielectric

APA Laminate Shield

93% Tinned Copper Braid

Black PVC Jacket



Cable Ordering Information

Part Number	MI Number
T174PD93T-VB	025F7

Characteristics

Material Specifications		
Inner Conductor	Copper Steel	
Dielectric	Solid Polyethylene	
1 st Outer Conductor	APA Tape	
2 nd Outer Conductor	93% Tinned Copper Braid	
Jacket	PVC, Outdoor, Black	
Physical Specifications		
	inches	(mm)
Inner Conductor	0.0179	0.45
Dielectric	0.060	1.52
1 st Outer Conductor	0.065	1.65
2 nd Outer Conductor	0.080	2.03
Jacket	0.108	2.74

Environmental Specifications		°C
Operating Temperature	-40 to +85	

Mechanical Specifications		
	inches	(mm)
Bend Radius, min	0.250	6.35

Electrical Specifications		
Impedance, Ω	50 ± 5	
Velocity of Propagation, %	66	
Capacitance, Nominal	32.3 pF/ft	105.9pF/m
DC Resistance	Ω / kft	Ω / km
	Inner Conductor	81.7 268
	Outer Conductor	8.8 29
	Loop	90.5 297

Attenuation, Maximum @ 68°F (20°C)		
Frequency, MHz	dB / 100 ft	dB / 100 m
1	1.19	3.90
10	2.88	9.45
50	5.71	18.73
100	7.61	24.97
200	10.48	34.38
400	15.11	49.57
700	20.50	67.26
859	23.20	76.12
900	24.24	79.53
1000	25.71	84.35
1200	28.19	92.49
1400	30.87	101.28
1600	33.50	109.91
1800	35.27	115.72
2000	37.50	123.03
2500	41.93	137.57