



# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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**PART NUMBER:** 988596  
**DESCRIPTION:** RG-174/U COAXIAL CABLE FULL SWEPT PER MIL-DTL-17  
**RATING:** MIL-DTL-17 Qualified Products List (QPL)

## Construction Parameters:

		<u>Wall (in)*</u>	<u>OD (in)*</u>
Conductors:	26 AWG (7/.0063) Copper Coated Steel (40% conductivity)		0.019
Dielectric:	Solid Polyethylene color natural	0.021	0.060
Shielding:	86% Tinned Coated Copper Braid		0.078
Jacket:	PVC (Non-Contaminating Vinyl)	0.016	0.110

## Electrical Properties:

	<u>VALUE*</u>
Conductor Resistance (Max./100 ft)	9.67
Impedance (ohms):	50
Capacitance (Max. pF/ft):	32.2
Velocity of Propagation (%):	66
Attenuation (Max. db/100 ft): 50 MHz	6.5
100 MHz	10.0
400 MHz	25.0
1000 MHz	45.0
SRL (Min: dB): 100 MHz	23
500 MHz	20
800 MHz	19
1000 MHz	19

## Cable Cross-section:

(NOT TO SCALE)



## Miscellaneous Information:

Jacket Color: Black  
Jacket Print (White): COLEMAN CABLE 988596 M17/119-RG174 MIL-DTL-17  
OXDS2  
Ink Jet Print (Blue): XXXXXX (Date Code)  
Applicable MIL-DTL-17: M17/119G-RG174  
Approximate Weight (lb/1000 ft): 9

This product complies with European Directive 2011/65/EU (RoHS-2)

On special orders the customer will accept all factory lengths and  $\pm 10\%$  of total order requested.

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