



# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

1530 Shields Drive  
Waukegan, IL 60085  
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**PART NUMBER:** 988421  
**DESCRIPTION:** RG-214/U COAXIAL CABLE PER MIL-DTL-17 SWEPT TO 400 MHz  
**RATING:** Mil-DTL-17 Qualified Products List (QPL)

### Construction Parameters:

		<u>Wall (in)*</u>	<u>OD (in)*</u>
Conductors:	12.5 AWG (7.030) Silver Coated Copper		0.089
Dielectric:	Solid Polyethylene color natural	0.098	0.285
1 <sup>st</sup> Shielding:	96% Silver Coated Copper Braid		0.313
2 <sup>nd</sup> Shielding:	98% Silver Coated Copper Braid		0.341
Jacket:	PVC (Non-Contaminating Vinyl)	0.042	0.425

### Electrical Properties:

	<u>VALUE*</u>
Conductor Resistance (Max./100 ft)	0.17
Impedance (ohms):	50
Capacitance (Max. pF/ft):	32.2
Velocity of Propagation (%):	66
Attenuation (Max. db/100 ft):	
50 MHz	1.7
400 MHz	5.5
3000 MHz	28
11000 MHz	60
SRL (Max db/100 ft):	
1.0 GHz	20
3.0 GHz	19
5.0 GHz	18
11.0 GHz	17

### Cable Cross-Section:

(NOT TO SCALE)



### Miscellaneous Information:

Jacket Color: Black  
Jacket Print (White): COLEMAN CABLE 988421 M17/75-RG214 MIL-DTL-17 OXDS2  
Ink Jet Print (Blue): XXXXXX (Date Code)  
Applicable MIL-DTL-17: M17/75F-RG214  
Approximate Weight (lb/1000 ft): 138

This product complies with European Directive 2002/95/EC (RoHS)  
On special orders the customer will accept all factory lengths and ± 10% of total order requested.

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Company Name: \_\_\_\_\_

Customer Approval: \_\_\_\_\_

Date: \_\_\_\_\_

Issued: 09/13/10

\* = Nominal value  
By: RBC