



# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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**PART NUMBER:** 988463-xx-08  
**DESCRIPTION:** RG 108 TWINAXIAL 78 OHM CABLE  
**RATING:** M17/45-RG108

### Construction Parameters:

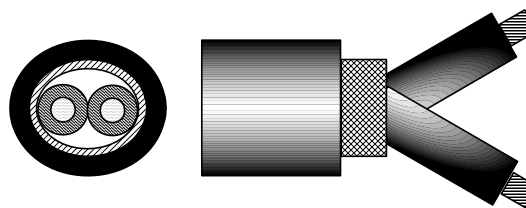
		<b>OD (in)*</b>
<u>Part 1:</u>	Conductor: 20 AWG (7/28) Stranded Tinned Copper	0.038
	Dielectric: Solid Polyethylene Natural in color	0.080
<u>Part 2:</u>	Conductor: 20 AWG (7/28) Stranded (6 Strands Tinned Copper, 1 Strand Bare Copper)	0.038
	Dielectric: Solid Polyethylene Natural in color	0.080
<u>Assembly:</u>	Stranding: Part 1 & Part 2 stranded together with 2-1/2" Right Hand lay	0.160
	Shielding: 80% Tinned Copper Braid	0.182
	Jacket: Non-Contaminating Type II PVC	0.175 x 0.235 + - .010

### Electrical Properties:

Coax:	VALUE*
Impedance (ohms):	78
Capacitance (pF/ft):	24
Velocity of Propagation (%):	66
Attenuation db/100'	
50 Mhz	5.2
100 Mhz	7.5
200 Mhz	11.0
400 Mhz	16.0
1000 Mhz	26.2
3000 Mhz	54.0

### Cable Cross-section:

(NOT TO SCALE)



### Miscellaneous Information:

Jacket Color: Black  
Jacket Print (Blue): COLEMAN CABLE 988463 M17/45-RG108 MIL-DTL-17 OXDS2 XXXXXX (Date Code)  
Applicable MIL-DTL-17: M17/45E  
Max. Voltage Rating: 300 RMS  
Max. Temperature Rating: 85° C, -40C  
Approx. Weight (lb/1000 ft): 35

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

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