



# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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**PART NUMBER:** 988591

**DESCRIPTION:** RG- 58/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: | 20 AWG (19/33) Tinned Coated Copper |                   | 0.035           |
| Dielectric: | Solid Polyethylene color natural    | 0.041             | 0.116           |
| Shielding:  | 93% Tinned Coated Copper Braid      |                   | 0.138           |
| Jacket:     | PVC (Non-Contaminating Vinyl)       | 0.029             | 0.195           |

## Electrical Properties:

|                                      | <u>VALUE*</u> |
|--------------------------------------|---------------|
| Conductor Resistance (Max./100 ft)   | 1.24          |
| Impedance (ohms):                    | 50            |
| Capacitance (Max. pF/ft):            | 32.2          |
| Velocity of Propagation (%):         | 66            |
| Attenuation (Max. db/100 ft): 50 MHz | 4.0           |
| 100 MHz                              | 6.5           |
| 400 MHz                              | 17.0          |
| 1000 MHz                             | 28.0          |
| SRL (Min: dB): 100 MHz               | 27.3          |
| 500 MHz                              | 25.0          |
| 800 MHz                              | 24.0          |
| 1000 MHz                             | 24.5          |

## Cable Cross-section:

(NOT TO SCALE)



## Miscellaneous Information:

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| Jacket Color:                    | Black                                              |
| Jacket Print (White):            | COLEMAN CABLE 988591 M17/28-RG058 MIL-DTL-17 OXDS2 |
| Ink Jet Print (Blue):            | XXXXXX (Date Code)                                 |
| Applicable MIL-DTL-17:           | M17/28-RG058                                       |
| Approximate Weight (lb/1000 ft): | 25                                                 |

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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\* = Nominal value  
By: RBC