



# PRODUCT DATA SHEET

Controlled Document - Engineering

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**PART NUMBER:** 990001

**DESCRIPTION:** RG-6 QUAD SHIELDED COAXIAL PLUS 4 PAIR / 24 AWG CATEGORY 5e IN A 2 "LEG" PARALLEL CONSTRUCTION

**RATING:** ETL LISTED AS CM PER UL STANDARD 444, CANADIAN CERTIFIED AS CMH FT1  
ETL VERIFIED TO CAT 5e  
TESTED TO 350 MHZ

### Construction Parameters:

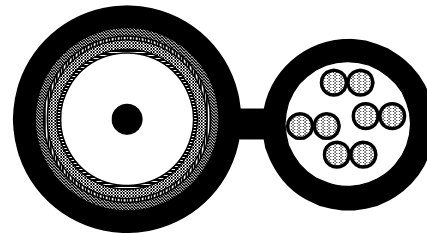
			<b>OD (in)*</b>
<u>Part 1:</u>	Conductor:	18 AWG (1/.040) Solid Copper Clad Steel	0.040
	Dielectric:	Foam Polyethylene	0.180
	Shielding 1 & 2:	100% Bonded Aluminum/Polyester/Aluminum Tape plus 40% Aluminum Braid	0.216
	Shielding 3 & 4:	100% Aluminum/Polyester/Aluminum Tape plus 60% Aluminum Braid	0.249
<u>Part 2:</u>	Conductor:	24 AWG (1/.020) Solid Bare Copper	0.020
	Dielectric:	Polyethylene	0.038
	Assembly:	Two Insulated conductors are twisted into pairs and four pairs are cabled into a core.	
<u>Final:</u>	Jacket:	Part 1 and Part 2 are jacketed in a two legged construction with a web between each leg.	0.290 x 0.575

### Electrical Properties:

Coax:	VALUE*	
Impedance (ohms):	75	
Capacitance (pF/ft):	17	
Velocity of Propagation (%):	81	
Attenuation (db/100 ft):	10 MHz	1.85
	50 MHz	1.0
	100 MHz	1.3
	200 MHz	2.05
	400 MHz	3.05
	700 MHz	5.95
	1000 MHz	7.55
	1200 MHz	8.9
	1450 MHz	10.1
	1500 MHz	10.3
	2000 MHz	11.3
2500 MHz	12.2	
3000 MHz	13.48	

#### Wire (24 AWG):

Cable was constructed using core that meets or exceed TIA/EIA-568-B.2 (Category 5e)



### Miscellaneous Information:

Pair Colors (24 AWG): W/BL with BL, W/OR with O, W/GR with GR, W/BR with BR  
 Jacket Color: Typical is White (others available)  
 Jacket Print (Red Ink): CCI 990001 18 AWG RG 6/U QUAD & 24 AWG 4/PR CAT 5e C(ETL) US LISTED 2003548  
 TYPE CM AND CMH FT1 ETL VERIFIED EIA/TIA 568-B.2 CAT5e TESTED TO 350 MHZ  
 (Also printed with sequential footage, date code and reel #)  
 Flame rating: UL-1581 Vertical Tray Flame Test  
 Approx. Weight (lb/1000 ft): 61

On special orders the customer will accept all factory lengths and ± 10% of total order requested. The information presented here is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. We reserve the right to review and modify all constructions to conform with the latest Regulatory requirement. We disclaim all liability in connection with the use of information contained herein or otherwise. This specification is propriety intellectual property of COLEMAN CABLE. Any information contained herein shall not be disclosed to any party without written consent of COLEMAN CABLE.

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

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

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

