



# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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**PART NUMBER:** 96204  
**DESCRIPTION:** 24 AWG /4 Pair RISER CATEGORY 3 DATA CABLE *Com-Lan 3*  
**RATING:** C(UL)US DUAL LISTED CMR and CMG FT4 and CMX-OUTDOOR  
**CERTIFICATIONS:** UL Classified Category 3  
 ETL Verified Category 3

### Construction Parameters:

	<u>INFORMATION</u>	<u>DIAMETER*</u>
Conductors:	Solid Copper	0.020
Dielectric:	Solid SRPVC	0.035
Pair lays:	Each pair has different lay length for cross-talk prevention	-
Ripcord:	Polyester	-
Jacket:	PVC	0.180

### Electrical Properties:

DC Resistance Max.(ohms/m @ 20° C):	9.38	Attenuation Max.(db/100m):	256 kHz	1.3
DC Resistance Unbalance Max.(%):	5		512 kHz	1.8
Characteristic Impedance (ohms): 1-16 MHz	85-115		772 kHz	2.2*
Pair-to-Ground Cap. Unbal. Max.(pF/100m):	330		1.0 MHz	2.6*
			4.0 MHz	5.6*
			8.0 MHz	8.5*
			10.0 MHz	9.7*
			16.0 MHz	13.1*
Worst-Pair Near-End	772 kHz	43**	The asterisk (*) vlues are for information only. The maximum loss for any pair at room temp. is to be determined using the formula $Att(f) \leq 2.32[SQR(f)] + 0.238(f)$	
Crosstalk Min. (dB):	1.0 MHz	41**	Structural Return	1.0- 10.0 MHz
	4.0 MHz	32**	Loss Min. (dB):	16.0 MHz
	8.0 MHz	27**		10**
	10.0 MHz	26**	The (**) values are for information only. The SRL is to be determined using the formula $SRL_F \geq SRL_{10} - 10\log_{10}(F/10)$	
	16.0 MHz	23**		

The (\*\*) values are for information only. The min. NEXT coupling loss for any pair combination at room temp. is to be greater than the value determined using the formula  $NEXT(F_{MHz}) \geq NEXT(0.772) - 15\log_{10}(F_{MHz}/0.772)$  for all freq. in the range of 772 MHz-16 MHz for a min. length of 100 m.

### Miscellaneous Information:

Pair Colors: W/Bl with Bl/W, W/Or with Or/W, W/Gn with Gn/W, W/Br with Br/W  
 Jacket Color: Typical is Gray or Beige (others available)  
 Jacket Print: CAT3 COLEMAN CABLE 96204 E118963T 24 AWG TYPE CMR VERIFIED (UL) CAT3 CMX-OUTDOOR CMR C(UL)US (ETL) VERIFIED TO TIA/EIA-568-B.2 CAT3 SEQ FTG FT4 DATE CODE REEL# CAT3 CAT3  
 (Also printed with sequential footage, date code and reel #)  
 Flame rating: UL-1666 Vertical Shaft Flame Test  
 Applicable NEC Article: 800  
 Voltage Rating: 300V Per NEC Article 800  
 Applicable TIA/EIA: 568-A  
 Approximate Weight (lb/1000 ft): 18

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

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

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

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

