



# PRODUCT DATA SHEET

Controlled Document – Engineering

1530 Shields Drive  
Waukegan, IL 60085  
Toll-Free (800) 323-9355  
Fax: (847) 689-1192

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

### 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
DC Resistance Unbalance Max.(%):	5
Characteristic Impedance (ohms): 1-16 MHz	85-115
Pair-to-Ground Cap. Unbal. Max.(pF/100m):	330
Worst-Pair Near-End Crosstalk Min. (dB):	772 kHz 43**
	1.0 MHz 41**
	4.0 MHz 32**
	8.0 MHz 27**
	10.0 MHz 26**
	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  $NEXT(F_{MHz}) > NEXT(0.772) - 15 \log_{10}(F_{MHz}/0.772)$  for all freq. In the range of 772 MHz-16 MHz for a min. length of 100 m.

Attenuation Max.(db/100m):	256 kHz	1.3
	512 kHz	1.8
	772 kHz	2.2*
	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*

The asterisk (\*) vlues are for information only. The maximum loss for any pair at room temp. is to be determined using the formula  $Att(f) \leq 2.32[SQR(f)] + 0.238(f)$

Structural Return Loss Min. (dB):	1.0- 10.0 MHz	12
	16.0 MHz	10**

The (\*\*) values are for information only. The SRL is to be determined using the formula  $SRL_F \geq SRL_{10} - 10 \log_{10}(F/10)$

### 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 24 AWG TYPE CMX OUTDOOR CMR  
 C(ETL)US 2003548 TIA/EIA-568 CAT3 SEQ FTG CMG 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 ± 10% of total order requested.*

*The information presented here is, to the best of our knowledge, true and accurate. Since conditions of use are beyond Coleman Cable's control, all product data presented is for informational purposes only and does not create a binding obligation or liability on Coleman Cable or confer any rights on any customer. The sale of product (s) is conditioned upon acceptance of a purchase order subject to Coleman Cable's standard terms and conditions contained therein, including without limitation Coleman Cable's standard warranty. Coleman cable disclaims all liability in connection with the use of information contained herein or otherwise.*

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

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

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

Issued: 09/17/09

\* = Nominal value  
By: PEP