



# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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**PART NUMBER:** 96203  
**DESCRIPTION:** 24 AWG /3Pair RISER CATEGORY 3 DATA CABLE *Com-Lan 3*  
**RATING:** C(ETL)US DUAL LISTED CMR and CMG FT4 and CMX-OUTDOOR

## Construction Parameters:

|             |  | <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  | 0.150            |

## 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 772 kHz 43\*\*  
Crosstalk Min. (dB): 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  $NEXT(F_{MHz}) \geq NEXT(0.772) - 15 \log_{10}(F_{MHz}/0.772)$  for all freq. In the range of 772 MHz-16 MHz for a min. length of 100 m.

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 (\*) values 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 1.0- 10.0 MHz 12  
Loss Min. (dB): 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/BI with BI/W, W/Or with Or/W, W/Gn with Gn/W  
Jacket Color: Typical is Gray or Beige (others available)  
Jacket Print: CAT3 COLEMAN CABLE 96203 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  
Applicable TIA/EIA: 568-A  
Approximate Weight (lb/1000 ft): 16

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: \_\_\_\_\_

Issued: 09/17/09

\* = Nominal value  
By: PEP