



# PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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**PART NUMBER:** 96210  
**DESCRIPTION:** 24 AWG / 25 PAIR RISER CATEGORY 3 DATA CABLE *Com-Lan 3*  
**RATING:** C(ETL)US DUAL LISTED CMR, CMX-OUTDOOR, CMR-FT4

## Construction Parameters:

	<u>DIAMETER*</u>
Conductors: Solid Copper	0.020
Dielectric: Solid PVC	0.038
Pair lays: Each pair has different lay length for cross-talk prevention	-
Ripcord: Polyester	-
Jacket: PVC	0.410

## 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		772kHz	2.2**
Pair-to-Ground Cap. Unbal. Max.(pF/100m):	330		1.0 MHz	2.6**
Worst-Pair NEXT Min (dB):			4.0 MHz	5.6**
	772 kHz		8.0 MHz	8.5**
	1.0 MHz		10.0 MHz	9.7**
	4.0 MHz		16.0 MHz	13.1*
	8.0 MHz			
	10.0 MHz			
	16.0 MHz			

The (\*\*) values are for information only. The Max Att. Loss for any pair at room temp. is determined using the formula:  
 $Att_F \geq 2.32[SQR(f)] + 0.238[SQR(f)]$

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-100 MHz for a min. length of 100 m.

The (\*\*) values are for information only. The SRL is to be determined using the formula  $SRL_F \geq SRL_{20} - 10 \log_{10}(F/20)$

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

## Miscellaneous Information:

Pair Colors: Standard Telephone Color Code with Bandmarks (W/BI, W/O, etc)  
Jacket Color: Typical Gray or Beige (others available)  
Jacket Print: CAT3 COLEMAN CABLE 96210 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  
CSA FT4 Vertical Flame Test  
Applicable NEC Article: 800  
Applicable TIA/EIA: 568-A  
Approx. Weight (lb/1000 ft): 100

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

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

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

Issued: 2/19/13

\* = Nominal value  
By: PEP