



PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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

PART NUMBER: 96206
DESCRIPTION: 24 AWG / 6 PAIR RISER CATEGORY 3 DATA CABLE *Com-Lan 3*
RATING: C(UL)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	0.200

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 NEXT 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 $NEXT(F_{MHz}) \geq NEXT(0.772) - 15 \log_{10}(F_{MHz}/0.772)$ for all freq. in the range of 772 MHz-100 MHz for a min. length of 100 m.

Attenuation Max.(db/100m):	256 kHz	1.3
	512 kHz	1.8
	772kHz	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 (**) values are for information only. The Max Att. Loss for any pair at room temp. is determined using the formula:

$$Att_F = \Omega \cdot 2.32[\text{SQR}(f)] + 0.238[\text{SQR}(f)]$$

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 $SRL_F \geq SRL_{20} + 10 \log_{10}(F/20)$

Miscellaneous Information:

Pair Colors: W/Bl with Bl/W, W/Or with Or/W, W/Gn with Gn/W, W/Br with Br/W, W/SI with SI/W, Rd/Blu with Blu/Rd
 Jacket Color: Typical Gray or Beige (others available)
 Jacket Print: CAT 3 COLEMAN CABLE 96206 E118963T 24 AWG TYPE CMX OUTDOOR CMR C(UL)US 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
 CSA FT4 Vertical Flame Test
 Applicable NEC Article: 800
 Applicable TIA/EIA: 568-A
 Approx. Weight (lb/1000 ft): 24

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.

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: 09/11/06

* = Nominal value
 By: PEP