



Toll-Free: (800) 323-9355

Wiring The World

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PRODUCT DATA SHEET

PART NUMBER: 96202
DESCRIPTION: 24 AWG / 2 PAIR RISER CATEGORY 3 DATA CABLE *Com-Lan 3*
RATING: UL DUAL LISTED CMR and C(UL) CMG FT4 and CMX-OUTDOOR
CERTIFICATIONS: ETL VERIFIED AS CATEGORY 3

Construction Parameters:

Conductors:	Solid Copper	<u>DIAMETER*</u>
Dielectric:	Solid PVC	0.020
Pair lays:	Each pair has different lay length for cross-talk prevention	0.035
Ripcord:	Polyester	-
Jacket:	PVC	-
		0.140

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:

$$Att_r = \Omega 2.32[SQR(f)] + 0.238[SQR(f)]$$

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
 Jacket Color: Typical Gray or Beige (others available)
 Jacket Print: CAT3 COLEMAN CABLE E118963T 24 AWG TYPE CMR VERIFIED (UL) CAT3
 CMX-OUTDOOR C(UL) FT4 (ETL) VERIFIED TO CAT3 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
 Voltage Rating: 300V Per NEC Article 800
 Applicable TIA/EIA: 568-A
 Approx. Weight (lb/1000 ft): 14

On special orders the customer will accept all factory lengths and ± 10% of total order requested.

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Company Name: _____

Customer Approval: _____

Date: _____

Issued: 07/03/03

* = Nominal value
 By: PEP