



PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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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	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		772 kHz	2.2*
Pair-to-Ground Cap. Unbal. Max.(pF/100m):	330		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*
Worst-Pair Near-End	772 kHz	43**	The asterisk (*) vlues are for information only. The maximum loss for any pair at room temp. is to be determined using the formula $Att(f) \leq 2.32[SQR(f)] + 0.238(f)$	
Crosstalk Min. (dB):	1.0 MHz	41**	Structural Return	1.0- 10.0 MHz
	4.0 MHz	32**	Loss Min. (dB):	16.0 MHz
	8.0 MHz	27**	The (**) values are for information only. The SRL is to be determined using the formula $SRL_F \geq SRL_{10} + 10log_{10}(F/10)$	
	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 $NEXT(F_{MHz}) \geq NEXT(0.772) - 15log_{10}(F_{MHz}/0.772)$ for all freq. in the range of 772 MHz-16 MHz for a min. length of 100 m.

Miscellaneous Information:

Pair Colors: W/BI with BI/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 $\pm 10\%$ of total order requested.

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Company Name: _____

Customer Approval: _____

Date: _____

Issued: 09/17/09

* = Nominal value
 By: PEP