



# PRODUCT DATA SHEET

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

**PART NUMBER:** 76214  
**DESCRIPTION:** 24 AWG /4 Pair PLENUM CATEGORY 3 DATA CABLE *Plen-Lan 3*  
**RATING:** UL Standard 444, ICEA S-80-576, EIA/TIA 568, FT6  
**CERTIFICATIONS:** ETL Listed CMP ETL Verified  
 Category 3

### Construction Parameters:

	<u>INFORMATION</u>	<u>DIAMETER*</u>
Conductors:	Solid Copper	0.020
Dielectric:	Solid LOW SMOKE PVC	0.035
Pair lays:	Each pair has different lay length for cross-talk prevention	-
Ripcord:	Polyester	-
Jacket:	LOW SMOKE PVC	0.160

### Electrical Properties:

DC Resistance Max.(ohms/100m @ 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/Bl with Bl/W, W/Or with Or/W, W/Gn with Gn/W, W/Bn with Bn/W  
 Jacket Color: NATURAL  
 Jacket Print: CAT3 COLEMAN CABLE 76214 CAT3 24 AWG C(ETL)US LISTED 2003548  
 TYPE CMP/MPP ETL VERIFIED TO TIA/EIA-568-B.2 CAT3 FT6 CAT3  
 (Also printed with sequential footage, date code and reel #)  
 Flame rating: NFPA 262 Steiner Tunnel Smoke and Flame Test  
 Applicable NEC Article: 800  
 Applicable TIA/EIA: 568-B.2  
 Approximate Weight (lb/1000 ft): 18

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: 06/30/05

\* = Nominal value  
 By: PEP