



Toll-Free: (800) 323-9355

Wiring The World

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PRODUCT DATA SHEET

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/BI with BI/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 ± 10% of total order requested.

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Company Name: _____

Customer Approval: _____

Date: _____

Issued: 04/27/04



* = Nominal value
 By: PEP