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Wiring The World

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**PRODUCT DATA SHEET**

**PART NUMBER:** 966956-xx-xx

**DESCRIPTION:** 24 AWG /4 Pair PLENUM CATEGORY 5e DATA CABLE

**COMPLIANCE:**

- UL Listed Type CMP
- C(UL) Listed CMP FT6
- ETL Verified Category 5 & 5e
- UL Classified Category 5
- ANSI/TIA/EIA 568
- ICEA S-90-661
- TIA/EIA 568

**Construction Parameters:**

Conductors:	Solid Copper	<u>DIAMETER*</u>
Dielectric:	Solid FEP	0.020
Assembly:	Each pair has different lay length for cross-talk prevention and ripcord added.	0.036
Jacket:	PVC	-
		0.200

\* = Nominal value

**Electrical Properties:**

DC Resistance Max. (ohms/100m @ 20° C):	9.38
DC Resistance Unbalance Max. (%):	5
Characteristic Impedance (ohms):	85-115
Pair-to-Ground Cap. Unbal. Max. (pF/100m):	330
SRL Minimum (dB) @ 1.0-20.0 MHz:	23
20.0-100.0 MHz:	23 -
	10log <sub>10</sub> (F/20)
Attenuation Max. @ 100 MHz (db/100m):	22.0

*The attenuation value is for information only. The maximum loss for any pair at room temp. is to be determined using the formula*  
*Att (f) ≤ 1.967 [SQR (f) ] + 0.023 (f) + 0.050/SQR (f)*

Crosstalk

NEXT @100 MHz (db/100m):	35.3
PSNEXT @ 100 MHz (db/100m):	32.3
ELFEXT @ 100 MHz (db/100m):	23.8
PSELFEXT @ 100 MHz (db/100m):	20.8

*The cross talk values are for information only. The min. crosstalk loss for any pair combination at room temp. is to be greater than the value determined using the formulas:*

$NEXT(f_{MHz}) \geq NEXT(0.772) - 15 \log_{10}(f_{MHz}/0.772)$   
 $PSNEXT(f_{MHz}) \geq PSNEXT(0.772) - 15 \log_{10}(f_{MHz}/0.772)$   
 $ELFEXT(f_{MHz}) \geq ELFEXT(0.772) + 20 \log_{10}(f_{MHz}/0.772)$   
 $PSELFEXT(f_{MHz}) \geq PSELFEXT(0.772) + 20 \log_{10}(f_{MHz}/0.772)$

**Miscellaneous Information:**

Pair Colors: W/BL with BL, W/OR with O, W/GR with GR, W/BR with BR

Jacket Color: Standard colors are Blue and Gray

Jacket Print: COLEMAN CABLE CATEGORY 5e E# 24 AWG TYPE CMP/MPP (UL)C(UL)--- FT6 (ETL) VERIFIED TO CATEGORY 5e  
*(Also printed with sequential footage, date code and reel #)*

Flame rating: UL-910 Steiner Tunnel Smoke and Flame Test

Applicable NEC Article: 800

Applicable TIA/EIA: 568-A-5 & 568-8B (draft)

Approx. Weight (lb/1000 ft): 26

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

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\* = Nominal value  
By: PEP