



PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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

PART NUMBER: 966956

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

COMPLIANCE: ➤ ETL Listed Type CMP ➤ ANSI/TIA/EIA 568-C.2
(Meets or exceeds) ➤ C(ETL) Listed CMP FT6 ➤ ICEA S-90-661
 ➤ ETL Verified Category 5e ➤ ISO/IEC 11801
This product complies with European Directive 2002/95/EC (RoHS)

Construction Parameters:

Conductors:	Solid Copper		<u>Outer Diameter</u>
Dielectric:	4 pairs FEP	0.0345" average DOD	0.020"
Assembly:	Each pair has different lay length for cross-talk prevention. Ripcord added.		0.035"
Jacket:	PVC	0.014" nominal wall thickness	0.185"

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
Return Loss (dB) @ 1.0-10.0 MHz:	20 + 5log(F)
10.0-20.0 MHz:	25
20.0-100.0 MHz:	25-7log(F/20)
Attenuation Max. @100 MHz (db/100m):	22.0
<i>The attenuation value is for information only. The maximum loss for any pair at room temp. is to be determined using the formula</i>	
<i>Att (f) < 1.967 [SQR (f)] + 0.023 (f) + 0.050/SQR (f)</i>	

<u>Crosstalk</u>	
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
<i>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:</i>	
<i>NEXT(f_{MHz}) ≥ NEXT(100)-15log₁₀(f_{MHz}/100),</i>	
<i>PSNEXT(f_{MHz}) ≥ PSNEXT(100)-15log₁₀(f_{MHz}/100)</i>	
<i>ELFEXT(f_{MHz}) ≥ ELFEXT(100)-20log₁₀(f_{MHz}/100),</i>	
<i>PSELFEXT(f_{MHz}) ≥ PSELFEXT(100)-20log₁₀(f_{MHz}/100).</i>	

Guaranteed up to 100MHz. 100MHz – 350MHz for information only.

Miscellaneous Information:

Pair Colors: White & Blue, White & Orange, White & Green, White & Brown
Jacket Print: CAT5E COLEMAN CABLE 966956 CAT5E 24 AWG 4 PR UTP C(ETL)US LISTED
 2003548 TYPE CMP FT6 TESTED TO 350 MHZ ETL VERIFIED TO TIA/EIA-
 568-C.2 CAT5E REEL# SEQ FTG DATE CODE
Flame rating: UL NFPA-262 Steiner Tunnel Smoke and Flame Test
Applicable NEC Article: 800
Applicable TIA/EIA: 568-C.2
Approx. Weight (lb/1000 ft): 19

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By: PEM