PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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PART NUMBER: 966956

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

COMPLIANCE: *(Meets or exceeds)*

- ETL Listed Type CMP
- C(ETL) Listed CMP FT6
- ETL Verified Category 5e
- ANSI/TIA/EIA 568-C.2
- ICEA S-90-661
- ISO/IEC 11801

This product complies with European Directive 2002/95/EC (RoHS)

Construction Parameters:

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

Electrical Properties:

DC Resistance Max.(ohms/100m @ 20$_o$ 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

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}) ≥NEXT(100)-15log$_{10}$(f_{Mhz}/100),
PSNEXT(f_{Mhz}) ≥PSNEXT(100)-15log$_{10}$(f_{Mhz}/100)
ELFEXT(f_{Mhz}) ≥ELFEXT(100)-20log$_{10}$(f_{Mhz}/100),
PSELFEXT(f_{Mhz}) ≥PSELFEXT(100)-20log$_{10}$(f_{Mhz}/100).

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

Issued: 01/04/11

By: PEM

Data subject to change without notice.
Contact your Customer Service Representative for latest information.