



PRODUCT DATA SHEET

Controlled Document – Engineering Drive

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PART NUMBER: 96963

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

RATING: ETL DUAL LISTED CMR and C(ETL) LISTED CMG-FT4

CERTIFICATIONS: ETL Verified Category 5e

APPLICATIONS:

➤ Gigabit Ethernet	➤ T1
➤ 1000 Base T over copper	➤ ISDN
➤ 100 Base T	➤ 622 Mbps ATM
➤ Broad Band Video	➤ 10 BASE T
➤ 155 Mbs ATM	➤ Token Ring
➤ Fast Ethernet	➤ POTS

Construction Parameters (Same for both legs):

	INFORMATION	DIAMETER*
Conductors:	Solid Copper	0.020
Dielectric:	Solid PE	0.036
Pair lays:	Each pair has different lay length for cross-talk prevention	-
Ripcord:	Polyester	-
Jacket:	PVC	0.185 x 0.370

Electrical Properties:

DC Resistance Max.(ohms/m @ 20° C): 9.38

DC Resistance Unbalance Max.(%): 5

Characteristic Impedance (ohms): 85-115

Velocity of Propagation* (%): 66

Pair-to-Ground Cap. Unbal. Max.(pF/100m): 330

Attenuation (Nom. db/100')
100 MHz 21.5
200 MHz 31.1

SRL Minimum (dB): 23

Loss Min. (dB): 23-10log10(F/20)

Crosstalk

	100 Mhz	200 Mhz	350 Mhz
NEXT (Nom. db/100m):	46.0	38.5	30.0
PSNEXT (Nom. db/100m):	44.0	37.0	
ELFEXT (Nom. db/100m):	23.8		
PSELFEXT (Nom. db/100m):	32.5	27.5	

Miscellaneous Information:

Pair Colors (Both legs): W/BL with BL, W/OR with O, W/GR with GR, W/BR with BR

Jacket Color (Both legs): Blue

Jacket Print (On one leg only): CAT5E COLEMAN CABLE 96963 CAT5E 24 AWG C(ETL)US LISTED (ETL CODE) TYPE CMR FT-4 ETL VERIFIED TO TIA/EIA-568-B.2 CAT5E TESTED TO 350 MHZ CAT5E
(Also printed with sequential footage and date code)

Flame rating: UL-1666 Riser Tray Flame Test

Applicable NEC Article: 800

Applicable TIA/EIA: 568-B.2

Approximate Weight (lb/1000 ft): 40

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

The customer will accept all factory lengths and $\pm 10\%$ of total order requested.

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Company Name: _____

Customer Approval: _____

Issued: 4/3/07

Date: _____

* = Nominal value
By: PEP

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