

Comtran Design Specification

Category 5e Plenum (Tested to 100 MHz.)

2347 - White

2644 - Gray

2567 - Blue

2820 - Yellow

Description: 24 AWG, 4 Pair MPP/CMP Category 5e Communications Cable

Compliance's: Construction:

- * UL 444 Communications Cables
- * ETL Verified TIA/EIA-568-B.2 (Cat 5e)
- * UL Listed type MPP/CMPR
- * C(UL) Listed type CMP
- * NFPA-262 Plenum Flame Test (UL 910)
- * NEC Article 800
- * CSA C22.2 No.214
- * ICEA S-80-576
- * California State Fire Marshal

- * Conductors: 24 AWG Solid Bare Copper per ASTM B-3
- * Insulation: FEP
Nominal OD = .034"
- * Pair Assembly: Color Coded Conductors twisted to varying lays
- * Cable Assembly: 4 Pairs cabled to form round core
- * Jacket: Complex Plenum PVC
Nominal OD = .160"
- * Ripcord: Ripcord provided under jacket
(Sequential Footage Markers Provided)

Common Applications:

- * Gigabit Ethernet (1000Base-T)
- * High speed Voice/Data applications
- * 100Base-TX

- * Video to the Desktop
- * ISDN
- * 100Base-T

- * Multimedia
- * 55/155 Mbps ATM
- * 100Base VG-AnyLan

Category 5e Electricals

(per ANSI/TIA/EIA-568-B.2)

	Impedance	Return Loss	Attenuation	NEXT	PSNEXT	ELFEXT	PSELFEXT
Freq.	(Ohms)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
(MHz.)	(+/- 15)	(Min)	(Max)	(Min)	(Min)	(Min)	(Min)
1	100	20	2	65.3	62.3	63.8	60.8
4	100	23	4.1	56.3	53.3	51.8	48.8
8	100	24.5	5.8	51.8	48.8	45.7	42.7
10	100	25	6.5	50.3	47.3	43.8	40.8
16	100	25	8.2	47.2	44.2	39.7	36.7
20	100	25	9.3	45.8	42.8	37.8	34.8
25	100	24.3	10.4	44.3	41.3	35.8	32.8
31.25	100	23.6	11.7	42.9	39.9	33.9	30.9
62.5	100	21.5	17	38.4	35.4	27.9	24.9
100	100	20.1	22	35.3	32.3	23.8	20.8
Mutual	Cap. = 14pf/ft	DCR = 9.38	Ohms/100m	Nom. VP = 72%		Temp. Rating = 75c	

(Custom Print legends, Put-UP's and Special colors available per request)

Information Subject to change without notice

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