

Comtran Design Specification

Category 5e Plenum (Tested to 100 MHz.)

2567 – Blue

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

Compliance:

- * UL 444 Communications Cables
- * ETL Verified TIA-568-B.2 (Cat 5e)
- * UL Listed type CMP
- * 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
- * Reduction of Hazardous Substances (RoHS)

Construction:

- * 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: Blue Complex Plenum PVC
Nominal OD = .168"
- * Ripcord: Ripcord provided under jacket
(Increasing/Decreasing Sequential Footage Marker Provided)

SURFACE PRINT: E106583 (01-12345) 24 AWG CMP C(UL)US – ETL VERIFIED TO TIA-568-B.2 CAT5E RoHS 0/1000

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 TIA-568-B.2)

	Char. Impedance	Return Loss	Attenuation	NEXT	PSNEXT	ELFEXT	PSELFEXT
Freq. (MHz.)	(Ohms) (+/-15)	(dB) (Min)	(dB/100m) (Max)	(dB/100m) (Min)	(dB/100m) (Min)	(dB/100m) (Min)	(dB/100m) (Min)
1	100	20	2	65.3	62.3	63.8	60.8
4	100	23	4.1	56.3	53.3	51.7	48.7
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	47.3	44.3	39.7	36.7
20	100	25	9.3	45.8	42.8	37.7	34.7
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	27.8	24.8
100	100	20.1	22	35.3	32.3	23.8	20.8
Temp. Rating: 75c				Mutual Cap. = 14pf/ft		DC Res.= 9.38Ω/100m	
Nominal Velocity of Propagation (NVP) = 72%				Propagation Delay Skew: 45 ns/100m (max)			

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

Information Subject to change without notice

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