

Comtran Design Specification

Category 5e PVC

(Tested to 100 MHz.)

2880 - Violet
8653 - Yellow

2881 - White
8654 - Green

2882 - Gray
8656 - Orange

2883 - Blue
8657 - Red

2884 - Beige

Description: 24 AWG, 4 Pair MPR/CMR Category 5e Communications Cable

Compliance's: Construction:

- * UL 444 Communications Cables
- * ETL Verified TIA/EIA-568-B.2 (Cat 5e)
- * UL Listed type MPR/CMR
- * C(UL) Listed type CMG
- * UL 1666 Riser Flame Test
- * 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: Polyethylene
Nominal OD = .036"
- * Pair Assembly: Color Coded Conductors twisted to varying lays
- * Cable Assembly: 4 Pairs cabled to form round core
- * Jacket: Flame Retardant PVC
Nominal OD = .180"
- * 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 = 70%		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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