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Design Specification

Category 5e 4 Pair Riser UTP

(Tested to 350 MHz)

Construction:

- * Conductors: 24 AWG Solid Bare Copper per ASTM B-3
- * Insulation: Polyethylene
- * Pair Assembly: Color Coded Conductors twisted to varying lays
- * Cable Assembly: 4 Pairs cabled to form round core
- * Jacket: Color Coded FR-PVC
Nominal OD = .175"
- * Ripcord: Ripcord provided under jacket
(Increasing/Decreasing Footage Markers Provided)

Compliance:

- * ETL Verified ANSI/TIA-568-C.2 Cat 5e
- * UL Subject 444 Communications Cables
- * UL Listed type CMR
- * UL 1666 Riser Flame Test
- * NEC Article 800
- * c(UL) Type CMR
- * ICEA S-80-576
- * California State Fire Marshal
- * RoHS Compliant
- * Voltage Rating 300

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 568-C.2)

Char. Impedance	Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
Freq. (MHz.)	(Ohms)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
	(+/-15)	(Min)	(Max)	(Min)	(Min)	(Min)
1	100	20	2	65.3	62.3	63.8
4	100	23	4.1	56.3	53.3	51.7
8	100	24.5	5.8	51.8	48.8	45.7
10	100	25	6.5	50.3	47.3	43.8
16	100	25	8.2	47.3	44.3	39.7
20	100	25	9.3	45.8	42.8	37.7
25	100	24.3	10.4	44.3	41.3	35.8
31.25	100	23.6	11.7	42.9	39.9	33.9
62.5	100	21.5	17	38.4	35.4	27.8
100	100	20.1	22	35.3	32.3	23.8
200	100	18	32.4	30.8	27.8	20
350	100	16.3	44.8	27.5	24.2	17
Temp. Rating: 75c			Mutual Cap. = 14pf/ft		DC Res = 9.38Ω/100m	
Nominal Velocity of Propagation (NVP) = 70%			Propagation Delay Skew: 45 ns/100m (max)			

Part#	Color
32880	Violet
32881	White
32882	Gray
32883	Blue
32884	Beige
34985	Black
38653	Yellow
38654	Green
38657	Red

(Information Subject to change without notice)

JACKET PRINT LEGEND: COMTRAN CABLE LLC CAT5e 350 MHz 24 AWG CMR C(UL)US ETL-VERIFIED TO ANSI/TIA-568-C.2 CAT 5e RoHS (01-12345) 0/1000



DRAWING	REV.	DATE	DRWN.	APP.	REMARKS	
32881	10	10/03/12	BAL	JB	Added voltage rating	32881 Page 1 of 1
32881	.09	4/12/2012	PA	RHW	Added 350 MHz Print Legend, Logos	
32881	.08	1/20/12	2me	JB	Change to 350 MHz	