



Multi-Conductor - Category 5E UTP - Bare Copper

General Description:	CAT5E (350MHz), 4 Pair, UTP-Unshielded, CMR (Riser), 24 AWG, Solid Bare Copper Conductors, HDPE Insulation, Ripcord, PVC Jacket					
Physical Characteristics:	Conductor	# of Pairs	AWG	Stranding	Conductor Material	Rip Cord
		4	24	Solid	Solid Bare Copper	Nylon
Nominal Cable Diameter	0.0189"	Minimum Bend Radius		1.64"	Nominal Weight 21 lbs	
Dielectric Material		High Density PE		Outer Jacket Material		CMR - PVC
Dielectric Overall Diameter		0.0350" ± 0.002"		Diameter over Jacket		0.2047" ± 0.016"
Dielectric Avg. Thickness		0.0081 ± 0.002"		Nom. Jacket Thickness		0.0216"
Mechanical Characteristics:	Installation Temperature Range			Operating Temperature Range		
	(-) 20°C to (+) 60°C			(-) 20°C to (+) 60°C		
Electrical Characteristics:	DC Resistance (max)		DCR Unbalance (max)		Nominal Mutual Capacitance	
	9.5 Ω / 100m @ 20°C		5% (@ 20°C)		4.6 pF / 100m	
	Voltage	Maximum Skew		Characteristic Impedence		Nom. Velocity of Propagation
	300	20 ns / 100m		100 ± 15 Ω		71%

Electrical Performace - TIA 568-C.2 **Note: Values above 100 MHz are for information only**

Frequency (MHz)	Attenuation (max)	NEXT (dB) (min)	PSNEXT (dB) (min)	ACR (dB) (min)	PSACR (dB) (min)	ACRF (dB) (min)	PSACRF (dB) (min)	Return Loss (min)
1	3.0	60.0	57.0	57.0	54.9	58.6	55.6	19.0
4	3.9	54.8	51.8	50.9	47.9	46.6	43.6	19.0
10	6.2	48.5	45.5	42.3	39.3	38.6	35.6	19.0
16	7.9	45.2	42.2	37.3	34.3	34.5	31.5	19.0
20	8.9	43.7	40.7	34.8	31.8	32.6	29.6	19.0
31.25	11.2	40.5	37.5	29.3	26.3	28.7	25.7	17.1
62.5	16.2	35.7	32.7	19.4	16.4	22.7	19.7	14.1
100	21.0	32.3	29.3	11.3	8.3	18.6	15.6	12.0
155	27.2	30.6	28.3	10.2	7.6	16.3	13.3	11.0
200	30.6	28.3	26.6	8.7	6.5	14.5	11.5	10.6
300	34.5	25.8	23.3	5.3	3.3	12.4	9.0	10.0
350	37.1	23.5	21.5	4.6	2.6	11.4	7.9	8.6

Cable Marking : Geintech E329281-T 4PR 24AWG CMR (UL)C(UL)--ETL VERIFIED TO ANSI/TIA-568-C.2 UTP CAT5E LAN CABLE MM/DD/YYYY ROHS COMPLIANT ****FT

Part #	Color	Put-up	
CAT5EBL	Blue	1,000'	Reelex Box
CAT5EWH	White	1,000'	Reelex Box

Pair Color Code	
1	Blue/Blue+White Stripes
2	Orange/Orange+White Stripes
3	Green/Green+White Stripes
4	Brown/Brown+White Stripes










Geintech Technologies, Inc. 14403 Ramona Ave, Unit B, Chino, CA 91710 Toll Free: 855.606.7722 www.GEINTECH.com

CAT5EGY	Grey	1,000'	Pull Box
CAT5EGN	Green	1,000'	Pull Box
CAT5EYL	Yellow	1,000'	Pull Box

