



### Multi-Conductor - Category 5E UTP - Bare Copper

<b>General Description:</b>	CAT5E (350MHz), 4 Pair, UTP-Unshielded, CMR (Riser), 24 AWG, Solid Bare Copper Conductors, HDPE Insulation, Ripcord, PVC Jacket							
<b>Physical Characteristics:</b>	<b>Conductor</b>	<b># of Pairs</b>	<b>AWG</b>	<b>Stranding</b>	<b>Conductor Material</b>	<b>Rip Cord</b>		
		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"		
<b>Mechanical Characteristics:</b>	Installation Temperature Range			Operating Temperature Range				
	(-) 4°F to (+) 140°F			(-) 4°F to (+) 140°F				
<b>Electrical Characteristics:</b>	DC Resistance (max)		DCR Unbalance (max)		Nominal Mutual Capacitance			
	9.5 Ω / 100m @ 20°C		5% (@ 20°C)		4.6 pF / 100m			
	<b>Voltage</b>	<b>Maximum Skew</b>	<b>Characteristic Impedance</b>		<b>Nom. Velocity of Propagation</b>			
	300	20 ns / 100m	100 ± 15 Ω		71%			
<b>Electrical Performance - TIA 568-C.2</b>				<b>Note: Values above 100 MHz are for information only</b>				
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
<b>Cable Marking :</b>	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










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