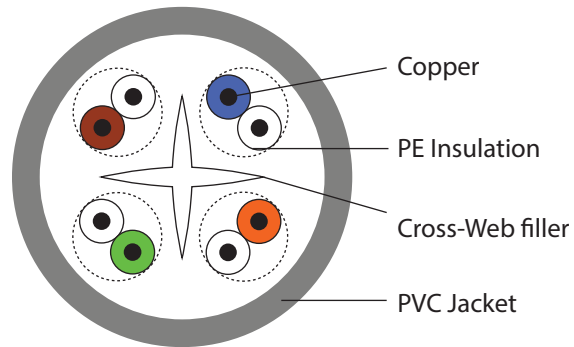
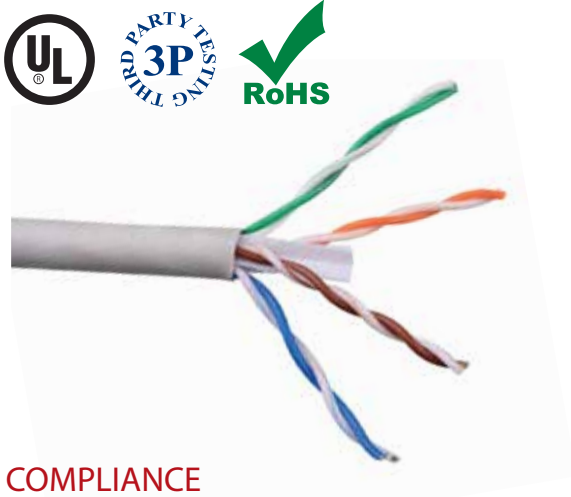




## CATEGORY 6 UTP CABLE

Datacom category 6 U/UTP cables exceed category 6/classE specification. It is tested to 250 MHz frequency range and designed to support Gigabit 1000Base-Tand 100 Base-TX applications to 100m.Each cable consists of 8 color coded 23AWG polyethylene insulated conductors twisted to form 4 pairs. These pairs are then formed around a separator enhancing high balance.



### COMPLIANCE

ANS/TIA/EIA 568C.2, ISO/IEC 11801 Class 2nd

### PHYSICAL CHARACTERISTICS

Conductor Material	Soft & Annealed Copper
Conductor Size	23AWG
Conductor Construction	Solid
Insulation Material	High Density PE
Insulation Diameter	Max. 0.98, Nom 0.93mm
Conductor Unit Identification	Solid/Stripe
Total Number of Wires	8
Filler	Cross-Web Filler
Rip Cord	Non
Outer Jacket	LSOH Flame Retardant or PVC
Outer Jacket Thickness & Ex. Diameter	0.5±0.05

### ELECTRICAL CHARACTERISTICS

Conductor Resistance (DC) at 20°C	$\Omega/100m$	Max. 9.38
Resistance Unbalance (DC) at 20°C	%	Max. 5
Mutual Capacitance at 1kHz	nF/100m	Max. 5.6
Capacitance Unbalance at 1kHz	pF/100m	Max. 330
Dielectric Strength at 2 sec. DC	kV	2.5



## TRANSMISSION CHARACTERISTICS

Item	Attenuation at 20°C	NEXT	PS NEXT	ACRF	PS ACRF	Return Loss	PD	Skew	
Unit	dB/100m (Max.)	dB/100m (Min.)	dB/100m (Min.)	dB/100m (Min.)	dB/100m (Min.)	dB/100m (Min.)	ns/100m (Max.)	ns/100m (Max.)	
Transmission Characteristics	1 MHz	2.0	74.3	72.3	67.8	64.8	20.0	570	45
	4 MHz	3.8	65.3	63.3	55.8	52.8	23.0	552	45
	10 MHz	6.0	59.3	57.3	47.8	44.8	25.0	545	45
	16 MHz	7.6	56.2	54.2	43.7	40.7	25.0	543	45
	20 MHz	8.5	54.8	52.8	41.8	38.8	25.0	542	45
	31.25 MHz	10.7	51.9	49.9	37.9	34.9	23.6	540	45
	62.5 MHz	15.4	47.4	45.4	31.9	28.9	21.5	539	45
	100 MHz	19.8	44.3	42.3	27.8	24.8	20.1	538	45
	200 MHz	29.0	39.8	37.8	21.8	18.8	18.0	537	45
250 MHz	32.8	38.3	36.3	19.8	16.8	17.3	536	45	

## ORDERING INFORMATION

Description	Order Code
Cat 6 4 Pair UTP Cable PVC Sheath 305 Mtr	DC-CBL-C64P-PVC
Cat 6 4 Pair UTP Cable LSZH Sheath 305 Mtr	DC-CBL-C64P-LSZH