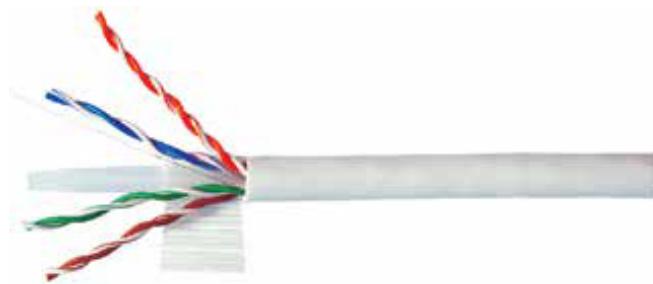
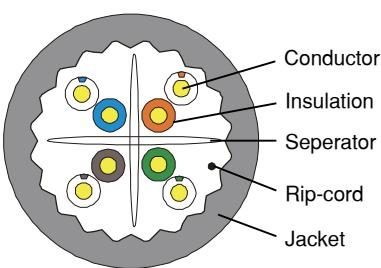


CATEGORY 6A - UTP 4 PAIR INDOOR CABLE


Category	UTP-CAT6A-4P				Jacket Physical Properties	Before Aging Tensile Strength (Mpa)	≥ 13.5	
Test Standard	ISO/IEC11801, TIA-568-C.2					Elongation(%)	≥ 150	
Conductor	Material	SOLID-Bare Copper				Aging Period ($^{\circ}\text{C} \times \text{hrs}$)	$100^{\circ}\text{C} \times 24\text{h} \times 7\text{d}$	
	Nom.O.D.(mm) 23AWG	0.574 Up	+0.003 Down	-0.003		After Aging Tensile Strength (Mpa)	≥ 12.5	
Insulation	Material	HDPE				Elongation(%)	≥ 125	
	Diameter	$1.04 \pm 0.03\text{mm}$				Coldbend ($-20 \pm 2^{\circ}\text{C} \times 4\text{h}$)	No visible cracks	
Jacket	Thickness	$0.70 \pm 0.05\text{mm}$ (Avg.)				Impedance(Ω)	100 ± 15	
	External O.D.	$7.5 \pm 0.3\text{mm}$				Delay Skew (ns/100m)	≤ 45	
	Material	PVC/LSZH				NVP	69%	
	Color	Color Code				Capacitance (nf/100m) max	5.6	
Rip-cord	Yes	Drain wire	No			DC Resistance ($\Omega/100\text{m}$) max	9.5	
Wooden Reel & Carton								



Packing	As required															
	305m/500m $\pm 1.5\text{m}$															
Technical Performance(100m):																
Frequency (MHz)	RL $\geq \text{dB}$	ATT $\geq \text{dB}$	NEXT $\geq \text{dB}$	PS NEXT $\geq \text{dB}$	ACR-F $\geq \text{dB}$	PS ACR-F $\geq \text{dB}$	PS ANEXT $\geq \text{dB}$	PS AACR-F $\geq \text{dB}$								
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0								
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2								
10.0	24.5	5.9	59.3	57.3	47.8	44.8	67.0	58.2								
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1								
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2								
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3								
62.5	21.5	15.0	47.4	45.4	31.9	28.9	65.6	42.3								
100	20.1	19.1	44.3	42.3	27.8	24.8	62.5	38.2								
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2								
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2								
300	16.8	34.3	37.1	35.1	18.3	15.3	55.3	28.7								
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2								
Part No.	Item Description				Color Code											
C6AUI1GY	CAT 6A UTP 4 PAIR CABLE				GREY (GY) BLUE (BU) RED (RD)											
C6AUI3GY	CAT 6A UTP 4 PAIR LSZH CABLE				YELLOW (YL) WHITE (WH) GREEN (GR)											
					ORANGE (OR) BLACK (BL) PURPLE (PL)											