

U/UTP 4Pairs cable-category 6A-PVC Sheath

P/N:CL-23U-C6A

Date	Author	Review	Approve	Version	Revision Declaration					
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Content of the Data Sheet										
Sheath Printing	It will be printed as customer's requirement with batch produce.									
Customer reference										
Category	U/UTP CAT6A-4P-PVC									
Test Standard	ISO/IEC11801、TIA-568-C.2 YD/T1019									
Conductor	Material	Solid-Bare Copper								
	Nom.O.D.(mm)	0.565	up	+0.005	down	-0.005				
Insulation	Material	HDPE								
	Diameter	1.02±0.03mm								
Sheath	Thickness	0.70±0.05 mm (Avg.)								
	External O.D.	7.1±0.4 mm								
	Surface	Clean,Frap,Satiation								
	Material	PVC (complies RoHS)								
	Color	Grey RAL7035								
Surface Printing	Letter height	3.0±0.3mm								
	Color	Black								
	Print error & Space	≤±0.5%, 1m								
	Core Color	1 White- Blue /Blue	2 White-Orange /Orange							
	3 White-Green /Green	4 White- Brown /Brown								
Packing	Wooden Tray & Carton									
Carton dimension	40.5*40.5*21cm									
Packing length	(305±1.5)m									
Rip-cord	Yes	Drain wire	TC0.45mm							
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0								
	Elongation(%)	≥125								
	Aging Period (°C × hrs)	100°C × 24h × 7d								
	After Aging Tensile Strength(Mpa)	≥8.0								
	Elongation(%)	≥100								
Electrical Characteristics (20°C)	1.0-250.0MHz Impedance ((Ω)	100±15								
	1.0-250.0MHz Delay Shew (ns/100m)	≤45								
	DC Resistance (Ω/100m) max	9.5								
	DC Conductor Resistance Unbalance (%) max	5.0								
	Technical Performance (100m):	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns				
		1	20.0	2.1	74.3	570.0				
		4.0	23.0	3.8	65.3	552.0				
		8.0	24.5	5.3	60.8	546.7				
10.0		25.0	5.9	59.3	545.4					
16.0		25.0	7.5	56.2	543.0					
20.0		25.0	8.4	54.8	542.1					
25.0		24.3	9.4	53.3	541.2					
31.25		23.6	10.5	51.9	540.4					
62.5		21.5	15.0	47.4	538.6					
100	20.1	19.1	44.3	537.6						
200	18.0	27.6	39.8	536.5						
250	17.3	31.1	38.3	536.3						
300	16.8	34.3	37.1	536.1						
500	15.2	45.3	33.8	535.6						
Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB							
	1	72.3	67.8	64.8						
	4	63.3	55.8	52.8						
	8	48.8	49.7	46.7						
	10	57.3	47.8	44.8						
	16	54.2	43.7	40.7						
	20	52.8	41.8	38.8						
	25	51.3	39.8	36.8						
	31.25	49.9	37.9	34.9						
	62.5	45.4	31.9	28.9						

