



## 7 STAR CAT6A U/FTP 23 AWG BC CABLE

<b>SPECIFICATION:</b>						
<b>1.Category:</b>	<b>U/FTP- CAT6A-4P-PVC 23 AWG BC</b>					
<b>2.Reference Standard:</b>	ISO/IEC11801 、 TIA-568-C.2					
<b>3.Conductor</b>	Material	SOLID-Bare Copper				
	Nom.O.D.(mm)	0.560	<table border="1" style="width: 100%;"> <tr> <td>up</td> <td>+.005</td> </tr> <tr> <td>down</td> <td>-.005</td> </tr> </table>	up	+.005	down
up	+.005					
down	-.005					
<b>4.Insulation</b>	Material	Skin-foam-skin PE				
	Diameter	1.330±0.05 mm				
<b>5.Screening Material</b>	Al/Mylar	Drain wire	Yes			
<b>6.Sheath</b>	Thickness	0.55±0.05 mm				
	External O.D.	7.3±0.5 mm				
	Surface	Clean				
	Material	PVC(complies RoHS)				
	Color	TBD				
<b>7.Surface Printing</b>	Letter height	3.0±0.3mm				
	Color	Black				
	Print error & Space	≤±0.5%, 1m				
<b>8.Core Color</b>	1 White/Blue	2 White/Orange				
	3 White/Green	4 White/Brown				
<b>9.Packing</b>	Drum					
<b>10.Packing length</b>	305±1.5m					
<b>11.Rip-cord</b>	Yes					
<b>12. Sheath Physical Properties</b>	Before Aging Tensile Strength (Mpa)	≥13.5				
	°C Elongation(%)	≥150				
	Aging Period ( xhrs)	100 x24hx7d				
	After Aging Tensile Strength (Mpa)	≥12.5				
	°C Elongation(%)	≥125				
	Cold bend(-20±2 x4h) 8xCable O.D., No visible cracks					
<b>13) Electrical Characteristics (20 )</b>	Impedance(Ω)	1.0-250.0MHz	100±15			
		250.0-500.0MHz	100±22			
	1.0-500.0MHz Delay Skew (ns/100m)	≤45				
	Unbalanced-to-Ground Capacitance(pf/100m)max	330				
	DC Resistance (Ω/100m) max	9.38				
	DC Conductor Resistance Unbalance (%) max	5.0				

Technical Performance (100m):					
Frequency		ATT	NEXT	PHASE DELAY	
(MHz)		≤dB	≥dB	≤ns	
1		—	74.3	570	
4		3.8	65.3	552	
8		5.3	60.8	547	
10		5.9	59.3	545	
16		7.5	56.2	543	
20		8.4	54.8	542	
25		9.4	53.3	541	
31.25		10.5	51.9	540	
62.5		15	47.4	539	
100		19.1	44.3	538	
200		27.6	39.8	537	
250		31.1	38.3	536	
300		34.3	37.1	536	
400		40.1	35.3	536	
500		45.3	33.8	536	
	Frequency	ELFEXT	PSELFEXT (MHz)		
	(Mhz)	≥dB	≥dB		
	1	67.8	64.8		
	4	55.8	52.8		
	8	49.7	46.7		
	10	47.8	44.8		
	16	43.7	40.7		
	20	41.8	38.8		
	25	39.8	36.8		
	31.25	37.9	34.9		
	62.5	31.9	28.9		
	100	27.8	24.8		
	200	21.8	18.8		
	250	19.8	16.8		
	300	18.3	15.3		
	400	15.8	12.8		
	500	13.8	10.8		