



## U/UTP 4 Pair Cat6 23awg Solid External PE Sheath Black (550MHz)

Date					Product Code					
01.01.2015					<b>39 3655</b>					
Sheath Printing	VELOCITY PREMIUM C6 U/UTP 23AWG SOLID PE EXTERNAL 4PR TIA/EIA-568-B.2-1 NVP 67% ****M MM/DD/YYYY									
Customer reference	39 3655									
Category	U/UTP CAT6-4P-PE									
Test Standard	ISO/IEC11801、TIA- 568-C..2、YD/T1019									
Conductor	Material	SOLID-Bare Copper								
	Nom. O.D. (mm)	0.55	Up	+0.005						
			Down	-0.005						
Insulation	Material	HDPE								
	Diameter	1.02±0.03mm								
Color	A.Blue, White-Blue	B.Orange,White-Orange								
	C.Green,White-Green	D.Brown, White-Brown								
Shield	PET Tape				<div style="text-align: center;"> <p><b>BC conductor</b> <b>Insulation</b> <b>PET Tape</b> <b>Rip-cord</b> <b>Filling</b> <b>PE Jacket</b></p> </div>					
5. Sheath	Thickness	0.55±0.05 mm		Technical Performance (100m):						
	External O.D.	6.6±0.5 mm		Frequency (MHz)		RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
	Surface	Clean,Frap,Satiation		1		20.0	2.03	74.3	570.00	
	Material	LDPE (complies RoHS)		4.0		23.0	3.78	65.3	552.00	
	Color	Black		8.0		24.5	5.32	60.8	546.73	
Surface Printing	Letter height	3.0±0.3mm		10.0		25.0	5.95	59.3	545.38	
	Color	White		16.0		25.0	7.55	56.2	543.00	
	Print error & Space	≤±0.5%, 1m		20.0		25.0	8.47	54.8	542.05	
				25.0		24.3	9.51	53.3	541.20	
Packing	---		31.25	23.6		10.67	51.9	540.44		
Carton dimension	According to the requires		62.5	21.5		15.38	47.7	538.55		
Packing length	305±1.5m		100	20.1		19.80	44.3	537.60		
Out Jacket Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0			200	18.0	28.98	39.8	536.54
		Elongation (%)	≥350			250	17.3	32.85	38.3	536.27
	Aging Period (°C×hrs)		100°C×24h×10d		*350	16.3	39.79	36.1	535.92	
	After Aging	Elongation (%)	≥300		*550	14.9	51.76	33.2	535.5	
		Cold bend (-20±2°C×4h)		No visible cracks		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
Electrical Characteristics (20°C)	Characteristic impedance (Ω)		100±15		1	72.3	67.8	64.8		
	Delay Shew 20°C(ns/100m)		≤45		4	63.3	55.8	52.8		
	DC Resistance 20°C(Ω/100m) max		9.5		8	58.8	49.7	46.7		
	DC Conductor Resistance Unbalance (%)max		5.0		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			
				100	42.3	27.8	24.8			
				200	37.8	21.8	18.8			
				250	36.3	19.8	16.8			
				*350	34.1	16.9	13.9			
				*550	31.2	13.0	10.0			

Note: Remarks \* are reference values only