



F/UTP 4 Pair Cat6 23awg Solid External PE Sheath Black

Date					Product Code
01.01.2015					39 3656
Sheath Printing	VELOCITY PREMIUM CAT6 F/UTP 23AWG SOLID PE EXTERNAL 4PR ANSI/EIA-568-C.2 AND ISO/IEC 11801 ***** MM/DD/YYYY				
Customer reference	39 3656				
Category	F/UTP CAT6-4P-PE				
Test Standard	ISO/IEC11801、TIA- 568-C.2 YD/T 1019				
Conductor	Material	Solid Bare copper			
	Nom.O.D.(mm)	0.55	up	+0.005	down
Insulation	Material	HDPE			
	Diameter	1.110±0.03 mm			
Screening Material	Mylar+ AL/Mylar				
Sheath	Thickness	0.60±0.05mm			
	External O.D.	7.5±0.4 mm			
	Surface	Clean,Frap,Satiation			
	Material	LDPE (complies RoHS)			
	Color	Black			
Surface Printing	Letter height	3.0±0.3mm			
	Color	White			
	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 dimension					
Packing length	305±1.5m				
Rip-cord	Yes	Drain wire	Yes		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0			
	Elongation(%)	≥350			
	Aging Period (°C × hrs)	100°C × 24h × 10d			
	After Aging Elongation(%)	≥300			
	Cold bend(-20±2°C×4h)	8×Cable O.D., No visible cracks			
Electrical Characteristics (20°C)	Delay Shew (ns/100m)	≤45			
	Velocity of Propagation (%)	68			
	unbalanced-to-ground capacitance (pf/100m)	max 330			
	DC Resistance (Ω/100m) max	9.5			
	DC Conductor Resistance Unbalance (%) max	5.0			

Technical Performance (100m):					
Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
1	20.0	2.03	74.3	570.00	
4.0	23.0	3.78	65.3	552.00	
8.0	24.5	5.32	60.8	546.73	
10.0	25.0	5.95	59.3	545.38	
16.0	25.0	7.55	56.2	543.00	
20.0	25.0	8.47	54.8	542.05	
25.0	24.3	9.51	53.3	541.20	
31.25	23.6	10.67	51.9	540.44	
62.5	21.5	15.38	47.7	538.55	
100	20.1	19.80	44.3	537.60	
200	18.0	28.98	39.8	536.54	
250	17.3	32.85	38.3	536.27	

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	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
100	42.3	27.8	24.8
200	37.8	21.8	18.8
250	36.3	19.8	16.8