



F/UTP 4 Pair Cat5e 24awg SOLID External PE Sheath Black

Date					Product Code
01.01.2015					39 3654
Sheath Printing	VELOCITY PREMIUM C5E F/UTP 24AWG SOLID PE EXTERNAL 4PR TIA/EIA-568-B.2-1 NVP 67% ****M MM/DD/YYYY				
Customer reference	39 3654				
Category	F/UTP CAT5e-4P-PE				
Test Standard	ISO/IEC11801、TIA- 568C.2、 YD/T1019				
1. Conductor	Material	SOLID-Bare Copper			
	Nom. O.D. (mm)	0.500	Up	+0.005	Down
2. Insulation	Material	HDPE			
	Diameter	1.00±0.03mm			
Color	A.Blue, White-Blue	B.Orange,White-Orange			
	C.Green,White-Green	D.Brown, White-Brown			
3. Rip-cord	Yes	Drain wire	0.45mmTC		
4. Shielded	PET+AL Foil				
5. Sheath	Thickness	0.60±0.05 mm			
	External O.D.	6.2±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			
Packing					
Carton dimension					
Packing length	(305±1.5)m				
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0		
		Elongation (%)	≥350		
	Aging Period (°C×hrs)	100°×24h×10d			
	After Aging	Elongation (%)	≥300		
	Cold bend (-20±2°×4h)	No visible cracks			
Electrical Characteristics (20°Q)	1.0-100.0MHz, Characteristic impedance (Ω)	100±15			
	1.0-100.0MHz, Delay Shew 20°Q(ns/100m)	≤45			
	Capacitance unbalance to earth (pf/100m) max	330			
	DC Resistance 20°Q(Ω/100m) max	9.38			
	DC Conductor Resistance Unbalance (%)max	5.0			
Technical Performance :					
	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	Phase DELAY ≤ns
	1	20.0	2.0	65.3	570.00
	4.0	23.0	4.1	56.3	552.00
	8.0	24.5	5.8	51.8	546.73
	10.0	25.0	6.5	50.3	545.38
	16.0	25.0	8.2	47.2	543.00
	20.0	25.0	9.3	45.8	542.05
	25.0	24.3	10.4	44.3	541.20
	31.25	23.6	11.7	42.9	540.44
	62.5	21.5	17.0	38.4	538.55
	100	20.1	22.0	35.3	537.60
	Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
	1	62.3	63.8	60.8	
	4	53.3	51.8	48.8	
	8	48.8	45.7	42.7	
	10	47.3	43.8	40.8	
	16	44.4	39.7	36.7	
	20	42.8	37.8	34.8	
	25	41.3	35.8	32.8	
	31.25	39.9	33.9	30.9	
	62.5	35.4	27.9	24.9	
	100	32.3	23.8	20.8	