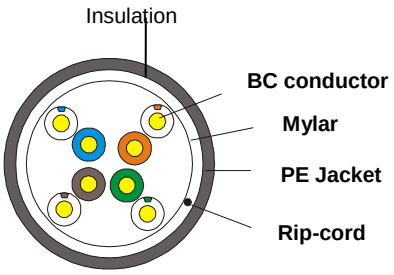
U/UTP 4 Pair Cat5e 24awg Solid Ext PE Sheath Black (350MHz)

Date					Product Code
01.01.2015					39 3653

Sheath Printing	VELOCITY PREMIUM C5E U/UTP 24AWG SOLID PE EXTERNAL 4PR TIA/EIA-568-B.2-1 NVP 67% ****M MM/DD/YYYY				
Customer reference	39 3653				
Category	U/UTP CAT5E-4P-PE				
Test Standard	ISO/IEC11801、TIA-568-C.2 YD/T1019				
Conductor	Material	Solid-Bare Copper			
	Nom.O.D.(mm)	0.490	up	+0.005	
			down	-0.005	
Insulation	Material	HDPE			
	Diameter	0.87±0.03mm			
Sheath	Thickness	0.60±0.05 mm			
	External O.D.	5.3±0.4 mm			
	Surface	Clean,Frap,Satiation			
	Material	PE(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	Reelex Box				
Carton dimension					
Packing length	(305±1.5)m				
Rip-cord	Yes	Drain wire	No		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0 Elongation(%) ≥350				
	Aging Period(℃×hrs) 100℃×24h×10d				
	After Aging Elongation(%) ≥300				
	Cold bend(-20±2℃×4h) 8×Cable O.D.，No visible cracks				
Electrical Characteristics (20℃)	1.0-100.0MHz Impedance(Ω) 100±15				
	1.0-100.0MHz Delay Shew (ns/100m) ≤45				
	DC ResistanceΩ/100m) max 11.0				
	DC Conductor Resistance Unbalance(%) max 5.0				



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT(20℃) ≤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
*155	18.0	28.1	32.4	536.90
*200	17.4	32.4	30.8	536.50
*300	16.5	41.8	29.3	536.10
*350	16.0	44.9	27.1	535.90

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
*155	29.4	20.0	17.0
*200	27.8	17.8	14.8
*300	26.3	14.3	11.3
*350	24.1	12.9	9.9

Remarks: * are reference values only