

> CARACTERÍSTICAS

Category	U/UTP CAT6-4P-PVC-CM		
Reference Standard	ISO/IEC 11801, TIA-568-C.2		
Conductor	Material	SOLID-Bare Copper	
	Nom.O.D (mm)	0.565	up+0.005 down-0.005
Insulation	Material	HDPE	
	Diameter	1.02±0.08mm	
	Thickness	0.55±0.05 mm	
Sheath	External O.D.	6.2±0.4mm	
	Surface	Clean,Frap,Satiation	
	Material	PVC(complies RoHS),CM	
	Color	TBD	
Surface Printing	Letter height	3.0±0.3mm	
	Color	Black	
	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 & Carton		
Carton dimension	According to the requires		
Packing length	(305±1.5)m		
Rip-cord	Yes	Drain wire	No
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5
		Elongation(%)	≥150
	Aging Period (°C×hrs)	100°C×24h×7d	
	After Aging	Tensile Strength(Mpa)	≥12.5
		Elongation(%)	≥125
	Cold bend:(-20±2°C×4h) 8×Cable O.D., No visible cracks		
Electrical Characteristics (20°C)	1.0-250.0MHz	Impedance (Ω)	100±15
	1.0-250.0MHz	Delay Skew (ns/100m)	≤45
	DC Resistance (Ω/100m) max		9.38
	DC Conductor Resistance Unbalance (%) max		5.0

> ESPECIFICACIONES

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

