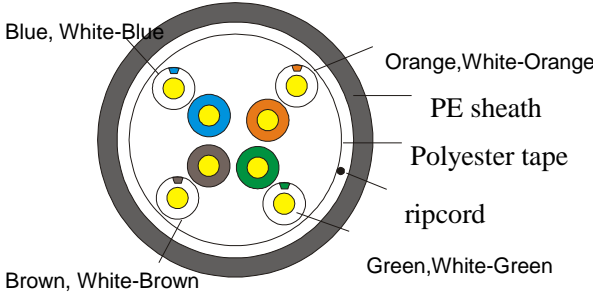


**REF: UTP 4 pairs cable - category 5e - 100MHz - PE Sheath –External**

Sheath Printing	CoreX UTP 4x2x24AWG Cat.5e PE OUTDOOR, ISO/IEC 11801, TIA/EIA 568, ETL verified 001M				
Category	UTP/CAT5e-4P-PE				
Test Standard	ISO/IEC11801、TIA/EIA 568B				
	material	Solid bare copper			
Conductor	Nom. O.D. (mm)	0.5	up	+0.005	
			down	-0.005	
Insulation	material	HDPE			
	Diameter	0.880±0.02mm			
sheath	thickness	0.55±0.05 mm			
	External O.D.	5.3±0.3 mm			
	Surface	Clean,Frap,Satiation			
	Material	LDPE			
	colour	Black			
Surface Printing	Letter height	3.0±0.3mm			
	Color	White			
	Print error & Space	≤±0.5%, 1m			
Color code	A.Blue, White-Blue	B.Orange,White-Orange			
	C.Green,White-Green	D.Brown, White-Brown			
Packing	Wooden spool+pallet				
spool size					
Length	As per request				
Ripcord	yes	Drain wire	no		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10			
	Elongation (%)	≥350			
	Aging Period (°C × hrs)	100°C × 24h × 10d			
	After Aging Elongation (%) (%)	≥300			
	Cold bend (-20±2°C × 4h)	No visible cracks			
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω)	100±15			
	1.0-100.0MHz, Delay Shew 20°C(ns/100m)	≤45			
	DC Resistance 20°C(Ω/100m) max	9.5			
	DC Conductor Resistance Unbalance (%)	max 5			



Technical Performance ( 100m):				
	RL	ATT	NEXT	DELAY
(MHz)	≥dB	≤dB	≥dB	≤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
	PSNEXT	ELFEXT	PSELFEXT	
(MHz)	≥dB	≥dB	≥dB	
1	62.3	64.0	61.0	
4	53.3	52.0	49.0	
8	48.8	45.9	42.9	
10	47.3	44.0	41.0	
16	44.4	39.9	36.9	
20	42.8	38.0	35.0	
25	41.3	35.8	33.0	
31.25	39.9	34.1	31.1	
62.5	35.4	28.1	25.1	
100	32.3	24.0	21.0	