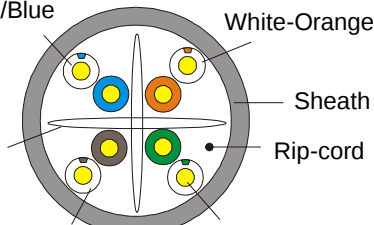


Cat.6 U/UTP Installation Cable

P/N: 404535

Content of the Data Sheet											
Sheath Printing	TBD										
Customer No.		Customer Reference			White-Blue /Blue White-Orange /Orange Sheath Separator Rip-cord White-Brown /Brown White-Green /Green 						
Category	U/UTP CAT6-4P-LSZH (Dca,s2,d2,a1)										
Reference Standard	ISO/IEC11801、ANSI/TIA-568.2-D										
Conductor	Material	Solid-Bare Copper									
	Nom.O.D.(mm)	0.550	up	+0.005							down
Insulation	Material	HDPE									
	Diameter	0.97±0.08mm									
Sheath	Thickness	0.55±0.05 mm			Technical Performance(100m):						
	External O.D.	6.1±0.4 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns		
	Surface	Clean,Frap,Satiation			1	20.0	2.03	74.3	570.00		
	Material	LSZH(complies RoHS)			4.0	23.0	3.78	65.3	552.00		
	Color	TBD			8.0	24.5	5.32	60.8	546.73		
Surface Printing	Letter height	3.0±0.3mm			10.0	25.0	5.95	59.3	545.38		
	Color	Black			16.0	25.0	7.55	56.2	543.00		
	Print error & Space	≤±0.5%, 1m			20.0	25.0	8.47	54.8	542.05		
					25.0	24.3	9.51	53.3	541.20		
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			31.25	23.6	10.67	51.9	540.44		
	3 White-Green /Green	4 White- Brown /Brown			62.5	21.5	15.38	47.7	538.55		
					100	20.1	19.80	44.3	537.60		
Packing	Wooden Tray & Carton				200	18.0	28.98	39.8	536.54		
Carton dimension	According to the requires				250	17.3	32.85	38.3	536.27		
Packing length	305±1.5m				Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB			
Rip-cord	Yes	Drain wire	No		1	72.3	67.8	64.8			
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0		4	63.3	55.8	52.8			
		Elongation (%)	≥125		8	58.8	49.7	46.7			
	Aging Period (℃×hrs)	100℃×24h×7d				10	57.3	47.8	44.8		
	After Aging	Tensile Strength (Mpa)	≥8.0		16	54.2	43.7	40.7			
		Elongation (%)	≥100		20	52.8	41.8	38.8			
		Cold bend (-20±2℃×4h) 8×Cable O.D., No visible cracks				25	51.3	39.8	36.8		
Electrical Characteristics (20℃)	1.0-250.0MHz	Impedance ((Ω)	100±15		31.25	49.9	37.9	34.9			
	1.0-250.0MHz	Delay Skew (ns/100m)	≤45		62.5	45.4	31.9	28.9			
	DC Resistance (Ω/100m) max	9.38				100	42.3	27.8	24.8		
	DC Conductor Resistance Unbalance (%) max	5.0				200	37.8	21.8	18.8		
Reaction to fire Classification: Dca,s2,d2,a1					ETL Part no.: 215102-1						
Version	A/02	Date	2024-01-09	Revised By	Caihangle	Audited By	Nidonghua	Approved By	Nidonghua		