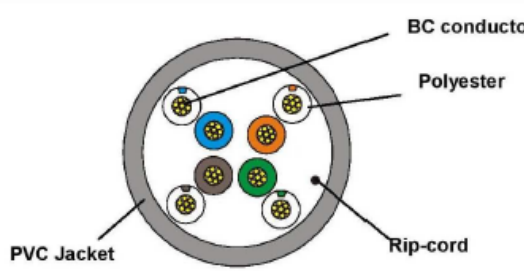


Technical specification/ Data sheet

LAN cable: Y/CAT5E UTP HQ

Sheath Printing	Y/CAT5E UTP-HQ YOTA (UTP CAT.5E) CE ROHS ****M MM/DD/YYYY				
Customer reference					
Category	PATCH U/UTP CAT5e-4P-PVC				
Test Standard	ISO/IEC11801、TIA-568-C.2 YD/T1019				
1. Conductor	Material	Stranded-Bare Copper			
	Nom. O.D. (mm)	26AWG(7/0.16)			
2. Insulation	Material	HDPE			
	Diameter	0.81±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	N/A		
4. Shielded	N/A				
5. Sheath	Thickness	0.55±0.05 mm			
	External O.D.	4.7±0.3 mm			
	Surface	Clean,Frap,Satiation			
	Material	PVC(complies RoHS)			
	Color	Grey ZLC1003			
Surface Printing	Letter height	3.0±0.3mm			
	Color	Black			
	Print error & Space	≤±0.5%, 1m			
Packing	Wooden Tray & Carton				
Carton dimension	According to the requires				
Packing length	305±1.5m				
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5		
		Elongation (%)	≥150		
	Aging Period (℃×hrs)	100℃×24h×7d			
	After Aging	Tensile Strength (Mpa)	≥12.5		
		Elongation (%)	≥125		
	Cold bend (-20±2℃×4h)	No visible cracks			
Electrical Characteristics (20℃)	1.0-100.0MHz, Characteristic impedance (Ω)		100±15		
	1.0-100.0MHz, Delay Skew 20℃(ns/100m)		≤45		
	DC Resistance 20℃(Ω/100m) max		14.8		
	DC Conductor Resistance Unbalance (%)max		5.0		
Technical Performance (100m):					
Frequency RL		ATT	NEXT	DELAY	
(MHz)	dB	dB	dB	ns	
1	20.0	3.3	65.3	570.00	
4.0	23.0	6.4	56.3	552.00	
8.0	24.5	8.7	51.8	546.73	
10.0	25.0	9.6	50.3	545.38	
16.0	25.0	12.3	47.2	543.00	
20.0	25.0	13.6	45.8	542.05	
25.0	24.3	15.2	44.3	541.20	
31.25	23.6	17.1	42.9	540.44	
62.5	21.5	24.8	38.4	538.55	
100	20.1	32.0	35.3	537.60	
Frequency PSNEXT		ELFEXT	PSELFEXT		
(MHz)	dB	dB	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		