

Technical specification/ Data sheet

LAN cable: F/CAT5E UTP/Out/S305

F/CAT5E UTP/Out/S305			TECHNICAL DATA SHEET				
Part NO: F/CAT5E UTP/Out/S 305M Product Description Application: Horizontal Wiring in LAN CABLE TIA/EIA568B.2 Multi-construction 4 Pairs (8 Cores) Cable Construction ConductorSolid Bare Copper Conductor Dia.0.48±0.01mm InsulationSolid PE Thickness(VG: 0.185mm, MIN: 0.17mm) Insulation Dia.0.84±0.05mm Each Pair is twisted ,Unshielded PolyesterYes FillerNO AL/PetNO Drain WireNO Rip CordYes JacketPE ThicknessAVG: 0.52mm, MIN: 0.46mm Outer Dia.4.9±0.20mm Jacket ColorBlack Color Insulation color are: Blue, White/Blue Orange,White/Orange Green, White/Green Brown, White/Brown Packaging 305m/wooden reel 1 reel/carton Certification CE			Performance				
			Frequency (MHz)	RL (dB) min.	Attenuation (dB/100m) max	NEXT (dB/100m)	ACR-F (dB/100m)
			1	20.0	2.00	65.30	63.80
			4	23.0	4.10	56.30	51.70
			8	25.0	5.80	51.80	45.70
			10	25.0	6.50	50.30	43.80
			16	25.0	8.20	47.30	39.70
			25	24.0	10.40	44.30	35.80
			31	24.0	11.60	42.90	33.90
			62.50	22.0	17.00	38.40	27.80
			100.0	20.0	22.00	35.30	23.80
			Margin	2-6dB	0.12dB	3-8dB	4-12dB
			Frequency (MHz)	PS NEXT (dB/100m)	PS ACR-F (dB/100m)	Impedance (Ohm)	
			1	62.30	60.80	100±15	
			4	53.30	48.70		
8	48.8	42.7					
10	47.30	40.80					
16	44.20	36.70					
25	41.30	32.80					
31.25	39.9	30.9					
62.50	35.40	24.80					
100.0	32.30	20.80					
155	29.00	17.20					
Margin	5-20dB	5-30dB					
Characteristics							
Max.Conductor DC Resistance at 20℃ (Ω/Km)				<93.8			
Working Temperature(℃)				-40 to 65 ℃			
Spark Test (KV)				3			