

Technical specification/ Data sheet

LAN cable: F/CAT5E FTP/Out/S305

F/CAT5E FTP/Out/S305		TECHNICAL DATA SHEET				
Product Description Application: Horizontal Wiring in LAN CABLE TIA/EIA568B.2 Multi-construction 4 Pairs (8 Cores) Cable Construction ConductorSolid Bare Copper Conductor Dia.0.485±0.01mm InsulationSolid PE ThicknessAVG: 0.24mm, MIN: 0.22mm Insulation Dia.0.97±0.05mm Each Pair is twisted ,Unshielded PolyesterYes FillerNO AL/PetYes Drain Wire0.45mm TC Rip CordYes JacketPE ThicknessAVG: 0.52mm, MIN: 0.46mm Outer Dia.5.9±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	NG-2.2dB max	2-6dB	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