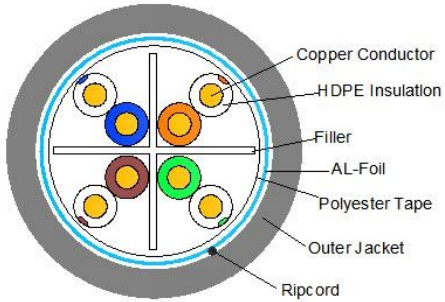


CAT6A F/UTP SPECIFICATION

Description: Product Description: 4P F/UTP CAT6A 23AWG PVC LAN CABLE Reference standard: ANSI/EIA 568C.2 IEC 61156 & ISO/IEC 11801 Rated temperature: 75 °C Flame test: Colour-coded PE insulation Solid copper PVC jacket		Application: 100 Base-TX 100VG-AnyLAN 1000 Base-T(Gigabit Ethernet) 1000 Base-TX 155Mbps ATM 622Mbps ATM 10Gb Ethernet		
Data Sheet-Spec: LASUN140009-CAT6A F/UTP -2018.11.23				
Structure	Construction	F/UTP		
	Number of pairs	4Pairs		
Conductor	AWG	23AWG		
	Material	Solid copper		
	Conductor dimension (mm)	0.58 ± 0.01		
Insulation	Insulation Material	HDPE		
	Insulation dimension(mm)	1.15 ± 0.05		
Pairs	1	White-Blue/Blue		
	2	White-Orange/Orange		
	3	White-Green/Green		
	4	White-Brown/Brown		
Filler	Filler material	PE	Electrical Characteristics	
Binder	Binder material	Polyester Tape		
Shield	Individual shield & material	N/A		
	Primary overall shield & material	AL-Foil		
	Secondary overall shield & material	N/A		
	Shield coverage	N/A		
	Drain wire	0.5 solid tinned copper		
Outer jacket	Outer jacket material	PVC	Mechanical Characteristics	
	Outer jacket nominal thickness(mm)	0.6		
	Overall dimension (mm)	7.6 ± 0.3		
	Outer jacket colour	Per customer request		
	Outer jacket rip cord	YES		
Packing	Per customer request			
				1--500MHZ
				Max. delay skew ≤ 45/100m
				Max. conductor resistance 95Ω/km (@ 20 °C)
				Max. conductor resistance unbalance 2.5% (@ 20 °C)
			Min. insulation resistance 5000 MΩ - km	
			Nom. mutual capacitance ≤5.6nF/100m @1KHz	
			Nominal velocity of propagation 65%	
			Outer jacket tensile strength ≥ 13.5Mpa	
			Outer jacket elongation ≥ 150%	
			Outer jacket aging condition 100 °C x 168hrs	
			After aging, Tensile strength ≥ 12.5Mpa	
			After aging, Elongation ≥ 125%	
			Cold bend No crack (@-20°Cx4hrs)	
			Hot impact NO Crack(@150°Cx4hrs)	