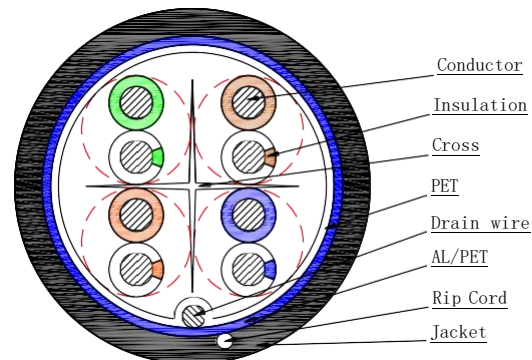




一、Technical parameter

Type	CAT6 F/UTP
Specification	ANSI/TIA-568-C.2
Conductor	
Conductor material	BC
Conductor Construction (mm)	0.52±0.01
Insulation	
Insulation material	HDPE
Insulation diameter(mm)	1.0±0.05
Average Thickness (mm)	0.22
Min Thickness (mm)	0.20
Color	Blue, White/ Blue, Orange, White/ Orange, Green, White/ Green, Brown, White/ Brown
Filler	
Filler Material	Cross
Wrapping tape	
Wrapping tape material	PET
Drain wire	
Drain wire material	TC
Drain wire size (mm)	1/0.40±0.01
Shield	
Shield material	AL/PET
Rip-cord	
Rip-cord	Yes

Type			CAT6 F/UTP				
Specification			ANSI/TIA-568-C.2				
Jacket							
Jacket material			PE				
Jacket Diameter(mm)			7.2±0.3				
Average Thickness (mm)			0.60				
Min Thickness (mm)			0.51				
Color			Black				
Electrical & Physical Characteristics:							
Conductor DCR 20℃			≤93.8Ω/km				
Characteristic Impedance（Ohm）			100±15				
Operational Temperature			-40℃～+75℃				
Channel transmission performance(100M)							
Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)	Return loss (dB)	Delay (ns)
1.0	2.1	65.0	62.0	63.3	60.3	19.0	580
4.0	4.0	63.0	60.5	51.2	48.2	19.0	562
8.0	5.7	58.2	55.6	45.2	42.2	19.0	557
10.0	6.3	56.6	54.0	43.3	40.3	19.0	555
16.0	8.0	53.2	50.6	39.2	36.2	18.0	553
20.0	9.0	51.6	49.0	37.2	34.2	17.5	552
25.0	10.1	50.0	47.3	35.3	32.3	17.0	551
31.3	11.4	48.4	45.7	33.4	30.4	16.5	550
62.5	16.5	43.4	40.6	27.3	24.3	14.0	549
100	21.3	39.9	37.1	23.3	20.3	12.0	548
200	31.5	34.8	31.9	17.2	14.2	9.0	547
250	35.9	33.1	30.2	15.3	12.3	8.0	546
300	40.1	31.7	28.8	13.7	10.7	7.2	546
350	44.0	30.6	27.6	12.4	9.4	6.6	546
400	47.8	29.6	26.6	11.2	8.2	6.0	546
450	51.5	28.7	25.7	10.2	7.2	5.5	546

Type			CAT6 F/UTP				
Specification			ANSI/TIA-568-C.2				
500	55.1	27.9	24.8	9.3	6.3	5.0	546
550	58.5	27.2	24.1	8.4	5.4	4.6	546

Values above 250MHz are for information only.