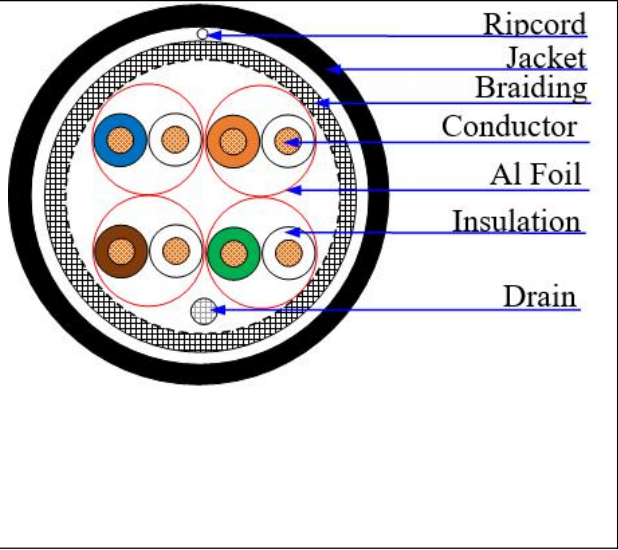


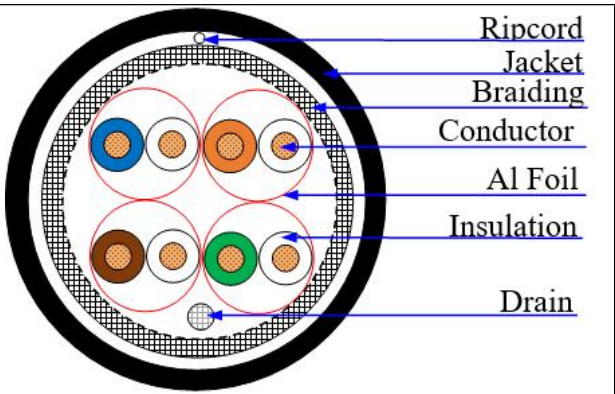
Name	Cat6A S/FTP	
Conductor	AWG	23
	Material	Bared Copper
Insulation	Material	FPE
Inner shield	Type	Al-foil
Jacket	Material	PVC



#Cat6A S/FTP

CHARACTERISTICS							
Item				Specification			
Impedance(Ω)				100±15 (1.0 – 250 MHz)			
				100±22 (250 – 500 MHz)			
Delay Skew(ns/100m)				≤ 45 (1.0 – 500MHz)			
Unbalanced-to-ground capacitance(pf/100m)				< 330			
DC Resistance (Ω /100m)				< 9.38			
DC Conductor Resistance Unbalance(%)				< 5.0			
Reference:ISO/IEC11801、TIA/-568-C.2							
Technical Performance (100m)							
Frequency(MHz)	RL(≥dB)	ATT(≤dB)	NEXT(≥dB)	DELAY(≤ns)	PSNEXT(≥dB)	ELFEXT(≥dB)	PSELFEXT(≥dB)
1.0	20.0	—	74.3	570.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	552.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	546.7	48.8	49.7	46.7
10.0	25.0	5.9	59.3	545.4	57.3	47.8	44.8
16.0	25.0	7.5	56.2	543.0	54.2	43.7	40.7
20.0	25.0	8.4	54.8	542.1	52.8	41.8	38.8
25.0	24.3	9.4	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	45.4	31.9	28.9
100	20.1	19.1	44.3	537.6	42.3	27.8	24.8
200	18.0	27.6	39.8	536.5	37.8	21.8	18.8
250	17.3	31.1	38.3	536.3	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	31.8	13.8	10.8

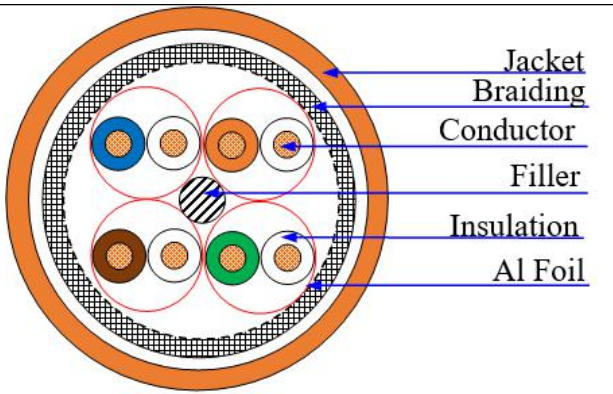
Name	Cat7 S/FTP	
Conductor	AWG	23
	Material	Bared Copper
Insulation	Material	FPE
Inner shield	Type	Al-foil
Jacket	Material	PVC



#Cat7 S/FTP

CHARACTERISTICS							
Item				Specification			
Impedance(Ω)				100 \pm 15 (1.0 – 100 MHz)			
				100 \pm 18 (100 – 250 MHz)			
				100 \pm 25 (250 – 600 MHz)			
Delay Skew(ns/100m)				\leq 25			
Velocity of Propagation (%)				74			
Unbalanced-to-ground capacitance(pf/100m)				< 330			
DC Resistance (Ω /100m)				< 9.38			
DC Conductor Resistance Unbalance(%)				< 2.0			
Reference :ISO/IEC 61156-5;EN 50288-4							
Technical Performance (100m)							
Frequency(MHz)	RL(\geq dB)	ATT(\leq dB)	NEXT(\geq dB)	DELAY(\leq ns)	PSNEXT(\geq dB)	ELFEXT(\geq dB)	PSELFEXT(\geq dB)
1.0	20.0	—	78.0	570.0	75.0	78.0	75.0
4.0	23.0	3.74	78.0	552.0	75.0	78.0	75.0
8.0	24.5	5.24	78.0	546.7	75.0	75.9	72.9
10.0	25.0	5.86	78.0	545.4	75.0	74.0	71.0
16.0	25.0	7.41	78.0	543.0	75.0	69.9	66.9
20.0	25.0	8.29	78.0	542.0	75.0	68.0	65.0
25.0	24.3	9.29	78.0	541.2	75.0	66.0	63.0
31.25	23.6	10.41	78.0	540.4	75.0	64.1	61.1
62.5	21.5	14.88	75.5	538.6	72.5	58.1	55.1
100	20.1	19.02	72.4	537.6	69.4	54.0	51.0
150	18.9	23.56	69.8	536.9	66.8	50.2	47.2
200	18.0	27.47	67.9	536.5	64.9	48.0	45.0
250	17.3	30.97	66.4	536.3	63.4	46.0	43.0
300	17.3	34.19	65.2	536.1	62.2	44.5	41.5
600	17.3	50.10	60.7	535.5	57.7	38.4	35.4

Name	Cat8.1 S/FTP	
Conductor	AWG	23
	Material	Bared Copper
Insulation	Material	FPE
Inner shield	Type	Al-foil
Jacket	Material	LSZH



#Cat8.1 S/FTP

CHARACTERISTICS						
Item			Specification			
Unbalanced-to-ground capacitance(pf/km)			< 1200 (1kHz)			
DC Resistance (Ω /km)			< 95			
DC Conductor Resistance Unbalance(%)			< 2.0			
Nom. Velocity of Propagation(%)			78			
Reference: ANSI/TIA-568.2-D Channel test						
Technical Performance (30m)						
Frequency(MHz)	RL(\geq dB)	ATT(\leq dB)	NEXT(\geq dB)	PSNEXT(\geq dB)	ACRF(\geq dB)	PS ACRF(\geq dB)
1.0	19.0	3.0	65.0	62.0	65.0	62.0
4.0	19.0	3.0	63.8	60.5	59.9	56.9
8.0	19.0	3.0	58.9	55.6	53.9	50.9
10.0	19.0	3.0	57.3	54.0	52.0	49.0
16.0	18.0	3.0	53.9	50.6	47.9	44.9
20.0	17.5	3.0	52.3	49.0	45.9	42.9
25.0	17.0	3.2	50.7	47.3	44.0	41.0
31.25	16.5	3.6	49.1	45.7	42.1	39.1
62.5	16.0	5.1	44.0	40.6	36.0	33.0
100	16.0	6.5	40.5	37.1	32.0	29.0
200	14.3	9.3	35.3	31.9	25.9	22.9
250	13.4	10.4	33.6	30.2	24.0	21.0
300	12.7	11.5	32.3	28.8	22.4	19.4
400	11.6	13.3	30.1	26.6	19.9	16.9
500	10.7	15.0	27.99	24.8	18.0	15.0
600	10.0	16.5	25.7	22.7	16.4	13.4
1000	8.0	22.0	19.3	16.5	12.0	9.0
1500	8.0	27.7	13.9	11.2	8.4	5.4
2000	8.0	32.7	9.8	7.3	5.9	2.9