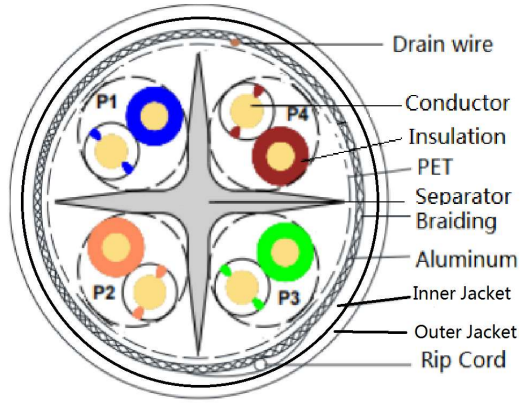


Product Name	SF/UTP CAT6 Cable		Structure Chart 						
Product Model	7 STAR CAT6 SFTP CCA DOUBLE JACKET 305 MTR CABLE OUTDOOR								
Reference Standard	YD/T1019-2013; ANSI/TIA-568.2-D-2018; ISO/IEC 11801-2017								
Application	Applied to structured cable; for digital, voice, data and video signals transmitting, suitable for Class E link and CAT6 cable.								
Conductor	Material	Copper Clad Aluminum							
	Diameter (mm)	0.570±0.01							
Insulation	Material	HDPE + Color Line							
	Color	White/Blue,White/Orange,White/Green, White/Brown							
	Diameter (mm)	0.96 ± 0.05							
Separator	Material	PE							
PET	YES		Transmission Performance						
Shield	Copper color AL Foil								
Braiding	CCA Braiding Coverage ≥45%		Frequency	RL	ATT	NEXT	PS NEXT		
Rip Cord	YES		(MHz)	≥dB	≤dB	≥dB	≥dB		
Inner Jacket	Material	PVC	1	19.1	1.9	65.0	62.0		
	External O.D.(mm)	6.10±0.3	4	21.0	3.5	64.1	61.8		
	Thickness (mm)	0.45±0.05	8	21.0	5.0	59.4	57.0		
	Color	Grey	10	21.0	5.5	57.8	55.5		
Outer Jacket	Material	PE	16	20.0	7.0	54.6	52.2		
	External O.D.(mm)	7.10±0.2	20	19.5	7.9	53.1	50.7		
	Thickness (mm)	0.45±0.05	25	19.0	8.9	51.5	49.1		
	Color	Black	31.25	18.5	10.0	50.0	47.5		
Printing	TBD		62.5	16.0	14.4	45.1	42.7		
Packing	Roll		100	14.0	18.6	41.8	39.3		
Jacket Physical properties	Before Aging	Tensile Strength(MPa)	≥10 (PVC) ,10(PE)	200	11.0	27.4	36.9	34.3	
		Elongation (%)	≥125(PVC), 250(PE)	250	10.0	31.1	35.3	32.7	
	Aged Condition		100℃ , 168h	Frequency	DELAY	ACRF	PS ACRF		
	After Aging	Tensile Strength(MPa)	≥60%	(MHz)	≤ns	≥dB	≥dB		
		Elongation (%)	≥60%	1	521	64.2	61.2		
	Electrical Characteristics (20℃)	Unbalance DC Resistance		≤2.5%	4	504	52.1	49.1	
Unbalance Capacitance		<330 pF/100m	8	500	46.1	43.1			
Delay Skew		≤45ns/100m	10	498	44.2	41.2			
Impedance(Ω): 1-100MHz 100±15Ω 100-250MHz 100±18Ω		PASS FLUKE 1000BASE-T Test							
		Environment Temperature			CPR				
Version:	Date	Record			Store	0~40℃	Work	-20~60℃	TBD
A1	8-28-2026	Original							