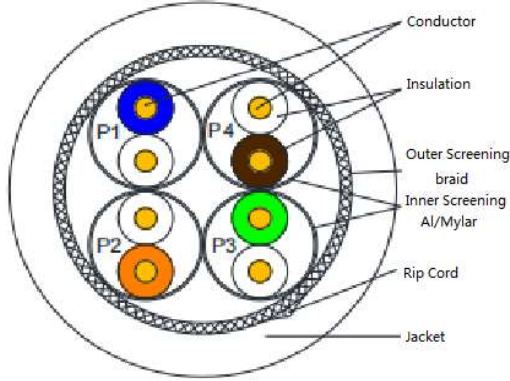


Product Name	7 STAR CAT6A SFTP PE JACKET 305 MTR 23 AWG PURE COPPER CABLE OUTDOOR		Structure Chart 																																																																																																																																																														
Product Model	S/FTP.CAT6A.CU056																																																																																																																																																																
Reference Standard	YD/T1019-2023; ANSI/TIA-568.2-D-2018; ISO/IEC 11801-1-2017:IEC 61156-6-2020																																																																																																																																																																
Application	Applied to structured cable; for digital, voice, data and video signals transmitting, suitable for Class EA link and CAT6A cable.																																																																																																																																																																
Conductor	Material	Solid-Bare Copper		Transmission Performance (100m) <table><tr><th>Frequency</th><th>RL</th><th>ATT</th><th>NEXT</th><th>PS NEXT</th></tr><tr><th>(MHz)</th><th>≥dB</th><th>≤dB</th><th>≥dB</th><th>≥dB</th></tr><tr><td>1</td><td>20.0</td><td>2.1</td><td>74.3</td><td>72.3</td></tr><tr><td>4</td><td>23.0</td><td>3.8</td><td>65.3</td><td>63.3</td></tr><tr><td>8</td><td>24.5</td><td>5.3</td><td>60.8</td><td>58.8</td></tr><tr><td>10</td><td>25.0</td><td>5.9</td><td>59.3</td><td>57.3</td></tr><tr><td>16</td><td>25.0</td><td>7.5</td><td>56.2</td><td>54.2</td></tr><tr><td>20</td><td>25.0</td><td>8.4</td><td>54.8</td><td>52.8</td></tr><tr><td>25</td><td>24.3</td><td>9.4</td><td>53.3</td><td>51.3</td></tr><tr><td>31.25</td><td>23.6</td><td>10.5</td><td>51.9</td><td>49.9</td></tr><tr><td>62.5</td><td>21.5</td><td>15.0</td><td>47.4</td><td>45.4</td></tr><tr><td>100</td><td>20.1</td><td>19.1</td><td>44.3</td><td>42.3</td></tr><tr><td>200</td><td>18.0</td><td>27.6</td><td>39.8</td><td>37.8</td></tr><tr><td>250</td><td>17.3</td><td>31.1</td><td>38.3</td><td>36.3</td></tr><tr><td>300</td><td>16.8</td><td>34.3</td><td>37.1</td><td>35.1</td></tr><tr><td>400</td><td>15.9</td><td>40.1</td><td>35.3</td><td>33.3</td></tr><tr><td>500</td><td>15.2</td><td>45.3</td><td>33.8</td><td>31.8</td></tr></table> <table><tr><th>Frequency</th><th>DELAY</th><th>ACRF</th><th>PS ACRF</th></tr><tr><th>(MHz)</th><th>≤ns</th><th>≥dB</th><th>≥dB</th></tr><tr><td>1</td><td>570</td><td>67.8</td><td>64.8</td></tr><tr><td>4</td><td>552</td><td>55.8</td><td>52.8</td></tr><tr><td>8</td><td>547</td><td>49.7</td><td>46.7</td></tr><tr><td>10</td><td>545</td><td>47.8</td><td>44.8</td></tr><tr><td>16</td><td>543</td><td>43.7</td><td>40.7</td></tr><tr><td>20</td><td>542</td><td>41.8</td><td>38.8</td></tr><tr><td>25</td><td>541</td><td>39.8</td><td>36.8</td></tr><tr><td>31.25</td><td>540</td><td>37.9</td><td>34.9</td></tr><tr><td>62.5</td><td>539</td><td>31.9</td><td>28.9</td></tr><tr><td>100</td><td>538</td><td>27.8</td><td>24.8</td></tr><tr><td>200</td><td>537</td><td>21.8</td><td>18.8</td></tr><tr><td>250</td><td>536</td><td>19.8</td><td>16.8</td></tr><tr><td>300</td><td>536</td><td>18.3</td><td>15.3</td></tr><tr><td>400</td><td>536</td><td>15.8</td><td>12.8</td></tr><tr><td>500</td><td>536</td><td>13.8</td><td>10.8</td></tr></table>					Frequency	RL	ATT	NEXT	PS NEXT	(MHz)	≥dB	≤dB	≥dB	≥dB	1	20.0	2.1	74.3	72.3	4	23.0	3.8	65.3	63.3	8	24.5	5.3	60.8	58.8	10	25.0	5.9	59.3	57.3	16	25.0	7.5	56.2	54.2	20	25.0	8.4	54.8	52.8	25	24.3	9.4	53.3	51.3	31.25	23.6	10.5	51.9	49.9	62.5	21.5	15.0	47.4	45.4	100	20.1	19.1	44.3	42.3	200	18.0	27.6	39.8	37.8	250	17.3	31.1	38.3	36.3	300	16.8	34.3	37.1	35.1	400	15.9	40.1	35.3	33.3	500	15.2	45.3	33.8	31.8	Frequency	DELAY	ACRF	PS ACRF	(MHz)	≤ns	≥dB	≥dB	1	570	67.8	64.8	4	552	55.8	52.8	8	547	49.7	46.7	10	545	47.8	44.8	16	543	43.7	40.7	20	542	41.8	38.8	25	541	39.8	36.8	31.25	540	37.9	34.9	62.5	539	31.9	28.9	100	538	27.8	24.8	200	537	21.8	18.8	250	536	19.8	16.8	300	536	18.3	15.3	400	536	15.8	12.8	500	536	13.8	10.8
	Frequency	RL	ATT						NEXT	PS NEXT																																																																																																																																																							
(MHz)	≥dB	≤dB	≥dB						≥dB																																																																																																																																																								
1	20.0	2.1	74.3						72.3																																																																																																																																																								
4	23.0	3.8	65.3						63.3																																																																																																																																																								
8	24.5	5.3	60.8						58.8																																																																																																																																																								
10	25.0	5.9	59.3						57.3																																																																																																																																																								
16	25.0	7.5	56.2						54.2																																																																																																																																																								
20	25.0	8.4	54.8						52.8																																																																																																																																																								
25	24.3	9.4	53.3						51.3																																																																																																																																																								
31.25	23.6	10.5	51.9						49.9																																																																																																																																																								
62.5	21.5	15.0	47.4						45.4																																																																																																																																																								
100	20.1	19.1	44.3						42.3																																																																																																																																																								
200	18.0	27.6	39.8						37.8																																																																																																																																																								
250	17.3	31.1	38.3						36.3																																																																																																																																																								
300	16.8	34.3	37.1						35.1																																																																																																																																																								
400	15.9	40.1	35.3						33.3																																																																																																																																																								
500	15.2	45.3	33.8						31.8																																																																																																																																																								
Frequency	DELAY	ACRF	PS ACRF																																																																																																																																																														
(MHz)	≤ns	≥dB	≥dB																																																																																																																																																														
1	570	67.8	64.8																																																																																																																																																														
4	552	55.8	52.8																																																																																																																																																														
8	547	49.7	46.7																																																																																																																																																														
10	545	47.8	44.8																																																																																																																																																														
16	543	43.7	40.7																																																																																																																																																														
20	542	41.8	38.8																																																																																																																																																														
25	541	39.8	36.8																																																																																																																																																														
31.25	540	37.9	34.9																																																																																																																																																														
62.5	539	31.9	28.9																																																																																																																																																														
100	538	27.8	24.8																																																																																																																																																														
200	537	21.8	18.8																																																																																																																																																														
250	536	19.8	16.8																																																																																																																																																														
300	536	18.3	15.3																																																																																																																																																														
400	536	15.8	12.8																																																																																																																																																														
500	536	13.8	10.8																																																																																																																																																														
Insulation	Material	Skin-foam-skin PE																																																																																																																																																															
	Color	White/Blue,White/Orange,White/Green,White/Brown																																																																																																																																																															
Insulation	Diameter (mm)	1.35±0.05																																																																																																																																																															
Inner Screening	Material	Paired AL/Mylar																																																																																																																																																															
Outer Screening Braid	Material	Aluminum-magnesium alloy																																																																																																																																																															
	Coverage	≥40%																																																																																																																																																															
Rip Cord	YES																																																																																																																																																																
Jacket	Material	PE																																																																																																																																																															
	External O.D.(mm)	8.0±0.3																																																																																																																																																															
	Thickness (mm)	0.75±0.05																																																																																																																																																															
	Color	TBD																																																																																																																																																															
Printing	TBD																																																																																																																																																																
Packing	Roll																																																																																																																																																																
Jacket Physical properties	Before Aging	Tensile Strength(MPa)	≥10																																																																																																																																																														
		Elongation (%)	≥250																																																																																																																																																														
	Aged Condition		100℃, 168h																																																																																																																																																														
	After Aging	Tensile Strength(MPa)	≥80%																																																																																																																																																														
Elongation (%)		≥80%																																																																																																																																																															
Electrical Characteristics (20℃)	DC Resistance		≤ 9.38Ω/100m																																																																																																																																																														
	Unbalance DC Resistance		≤2.0%																																																																																																																																																														
	Unbalance Capacitance		< 330 pF/100m																																																																																																																																																														
	Delay Skew		≤25ns/100m																																																																																																																																																														
	Impedance(Ω):		1-100MHz 100±15Ω																																																																																																																																																														
			100-250MHz 100±18Ω																																																																																																																																																														
		250-500MHz 100±25Ω																																																																																																																																																															
Environment Temperature <table><tr><td>Store</td><td>0~40℃</td><td>Work</td><td>-20~60℃</td></tr></table>				Store	0~40℃	Work	-20~60℃																																																																																																																																																										
Store	0~40℃	Work	-20~60℃																																																																																																																																																														
CPR <table><tr><td>Eca</td></tr></table>				Eca																																																																																																																																																													
Eca																																																																																																																																																																	
This cable fully conforms to EU Directive 2011/65/EU (RoHS-2)																																																																																																																																																																	
Version:	Date	Record	Author	Approved By																																																																																																																																																													
A1	8-4-2026	Original	Qiu Meihua	Jin Jianbing																																																																																																																																																													

Transmission Performance (100m)

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PS NEXT ≥dB
1	20.0	2.1	74.3	72.3
4	23.0	3.8	65.3	63.3
8	24.5	5.3	60.8	58.8
10	25.0	5.9	59.3	57.3
16	25.0	7.5	56.2	54.2
20	25.0	8.4	54.8	52.8
25	24.3	9.4	53.3	51.3
31.25	23.6	10.5	51.9	49.9
62.5	21.5	15.0	47.4	45.4
100	20.1	19.1	44.3	42.3
200	18.0	27.6	39.8	37.8
250	17.3	31.1	38.3	36.3
300	16.8	34.3	37.1	35.1
400	15.9	40.1	35.3	33.3
500	15.2	45.3	33.8	31.8

Frequency (MHz)	DELAY ≤ns	ACRF ≥dB	PS ACRF ≥dB
1	570	67.8	64.8
4	552	55.8	52.8
8	547	49.7	46.7
10	545	47.8	44.8
16	543	43.7	40.7
20	542	41.8	38.8
25	541	39.8	36.8
31.25	540	37.9	34.9
62.5	539	31.9	28.9
100	538	27.8	24.8
200	537	21.8	18.8
250	536	19.8	16.8
300	536	18.3	15.3
400	536	15.8	12.8
500	536	13.8	10.8