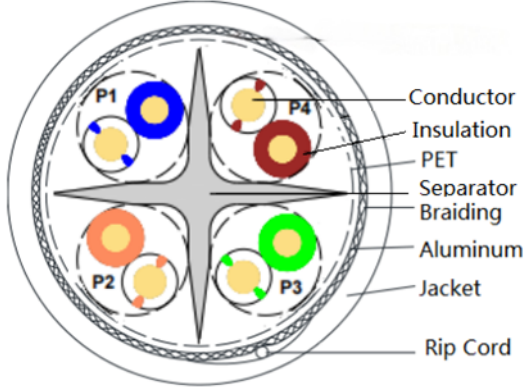


SPECIFICATION

Version :

A1

Product Name	7 STAR CAT6 SFTP PE JACKET 305 MTR 23 AWG PURE COPPER CABLE OUTDOOR		Structure Chart 																																																																																																																																																	
Product Model	SFTP.CAT6.CU056																																																																																																																																																			
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	Bare Copper		Transmission Performance(100m) <table><tr><td>Frequency</td><td>RL</td><td>ATT</td><td>NEXT</td><td>PS NEXT</td></tr><tr><td>(MHz)</td><td>≥dB</td><td>≤dB</td><td>≥dB</td><td>≥dB</td></tr><tr><td>1</td><td>20.0</td><td>2.0</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>6.0</td><td>59.3</td><td>57.3</td></tr><tr><td>16</td><td>25.0</td><td>7.6</td><td>56.2</td><td>54.2</td></tr><tr><td>20</td><td>25.0</td><td>8.5</td><td>54.8</td><td>52.8</td></tr><tr><td>25</td><td>24.3</td><td>9.5</td><td>53.3</td><td>51.3</td></tr><tr><td>31.25</td><td>23.6</td><td>10.7</td><td>51.9</td><td>49.9</td></tr><tr><td>62.5</td><td>21.5</td><td>15.4</td><td>47.4</td><td>45.4</td></tr><tr><td>100</td><td>20.1</td><td>19.8</td><td>44.3</td><td>42.3</td></tr><tr><td>200</td><td>18.0</td><td>29.0</td><td>39.8</td><td>37.8</td></tr><tr><td>250</td><td>17.3</td><td>32.8</td><td>38.3</td><td>36.3</td></tr></table> <table><tr><td>Frequency</td><td>DELAY</td><td>ACRF</td><td colspan="2">PS ACRF</td></tr><tr><td>(MHz)</td><td>≤ns</td><td>≥dB</td><td colspan="2">≥dB</td></tr><tr><td>1</td><td>570</td><td>67.8</td><td colspan="2">64.8</td></tr><tr><td>4</td><td>552</td><td>55.8</td><td colspan="2">52.8</td></tr><tr><td>8</td><td>547</td><td>49.7</td><td colspan="2">46.7</td></tr><tr><td>10</td><td>545</td><td>47.8</td><td colspan="2">44.8</td></tr><tr><td>16</td><td>543</td><td>43.7</td><td colspan="2">40.7</td></tr><tr><td>20</td><td>542</td><td>41.8</td><td colspan="2">38.8</td></tr><tr><td>25</td><td>541</td><td>39.8</td><td colspan="2">36.8</td></tr><tr><td>31.25</td><td>540</td><td>37.9</td><td colspan="2">34.9</td></tr><tr><td>62.5</td><td>539</td><td>31.9</td><td colspan="2">28.9</td></tr><tr><td>100</td><td>538</td><td>27.8</td><td colspan="2">24.8</td></tr><tr><td>200</td><td>537</td><td>21.8</td><td colspan="2">18.8</td></tr><tr><td>250</td><td>536</td><td>19.8</td><td colspan="2">16.8</td></tr></table>					Frequency	RL	ATT	NEXT	PS NEXT	(MHz)	≥dB	≤dB	≥dB	≥dB	1	20.0	2.0	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	6.0	59.3	57.3	16	25.0	7.6	56.2	54.2	20	25.0	8.5	54.8	52.8	25	24.3	9.5	53.3	51.3	31.25	23.6	10.7	51.9	49.9	62.5	21.5	15.4	47.4	45.4	100	20.1	19.8	44.3	42.3	200	18.0	29.0	39.8	37.8	250	17.3	32.8	38.3	36.3	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	
	Frequency	RL	ATT						NEXT	PS NEXT																																																																																																																																										
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250	536	19.8	16.8																																																																																																																																																	
	Diameter (mm)	0.56±0.01																																																																																																																																																		
Insulation	Material	HDPE + Color Line																																																																																																																																																		
	Color	White/Blue,White/Orange,White/Green,White/Brown																																																																																																																																																		
	Diameter (mm)	1.12±0.05																																																																																																																																																		
Separator	Material	PE																																																																																																																																																		
PET	YES																																																																																																																																																			
Shield	Aluminum Foil																																																																																																																																																			
Braiding	Aluminum-magnesium alloy Braid																																																																																																																																																			
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	Drum																																																																																																																																																			
Jacket Physical properties	Before Aging	Tensile Strength(MPa)	≥12.5 (PVC)																																																																																																																																																	
		Elongation (%)	≥150% (PVC)																																																																																																																																																	
	Aged Condition		100℃ , 168h																																																																																																																																																	
	After Aging	Tensile Strength(MPa)	≥80%																																																																																																																																																	
		Elongation (%)	≥80%																																																																																																																																																	
Electrical Characteristics (20℃)	DC Resistance		≤ 9.38 Ω/100m																																																																																																																																																	
	Unbalance DC Resistance		≤2.5%																																																																																																																																																	
	Unbalance Capacitance		<330 pF/100m																																																																																																																																																	
	Delay Skew		≤45ns/100m																																																																																																																																																	
	Impedance(Ω):		1-100MHz		100±15Ω																																																																																																																																															
100-250MHz			100±18Ω																																																																																																																																																	
		Environment Temperature				CPR																																																																																																																																														
		Store	0~40℃	Work	-20~60℃	TBD																																																																																																																																														
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																																																																																																																																													