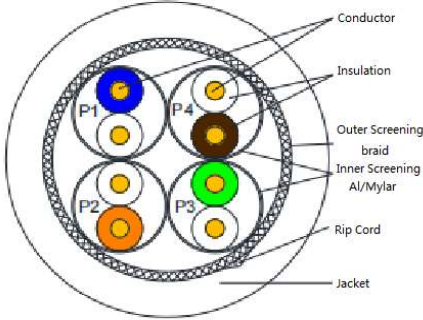


SPECIFICATION

Version :

A1

Product Name			7STAR CAT7 S/FTP LSZH JACKET 305 MTR CABLE PURE COPPER GREY			Structure Chart 																																																																																																																																																																						
Product Model			SFTP.CAT7.CU056.LSZH																																																																																																																																																																									
Reference Standard			YD/T1019-2013; IEC61156-5; ISO/IEC 11801-2017																																																																																																																																																																									
Application			Applied to structured cable; for digital, voice, data and video signals transmitting, suitable for Class F link and CAT7 cable.																																																																																																																																																																									
Conductor	Material		Solid-Bare Copper			Transmission Performance (100m) <table><thead><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></thead><tbody><tr><td>1</td><td>20.0</td><td>2.0</td><td>78.0</td><td>75.0</td></tr><tr><td>4</td><td>23.0</td><td>3.7</td><td>78.0</td><td>75.0</td></tr><tr><td>8</td><td>24.5</td><td>5.2</td><td>78.0</td><td>75.0</td></tr><tr><td>10</td><td>25.0</td><td>5.9</td><td>78.0</td><td>75.0</td></tr><tr><td>16</td><td>25.0</td><td>7.4</td><td>78.0</td><td>75.0</td></tr><tr><td>20</td><td>25.0</td><td>8.3</td><td>78.0</td><td>75.0</td></tr><tr><td>25</td><td>24.3</td><td>9.3</td><td>78.0</td><td>75.0</td></tr><tr><td>31.25</td><td>23.6</td><td>10.4</td><td>78.0</td><td>75.0</td></tr><tr><td>62.5</td><td>21.5</td><td>14.9</td><td>75.5</td><td>72.5</td></tr><tr><td>100</td><td>20.1</td><td>19.0</td><td>72.4</td><td>69.4</td></tr><tr><td>200</td><td>18.0</td><td>27.5</td><td>67.9</td><td>64.9</td></tr><tr><td>250</td><td>17.3</td><td>31.0</td><td>66.4</td><td>63.4</td></tr><tr><td>300</td><td>17.3</td><td>34.2</td><td>65.2</td><td>62.2</td></tr><tr><td>400</td><td>17.3</td><td>40.0</td><td>63.4</td><td>60.4</td></tr><tr><td>500</td><td>17.3</td><td>45.3</td><td>61.9</td><td>58.9</td></tr><tr><td>600</td><td>17.3</td><td>50.1</td><td>60.7</td><td>57.7</td></tr></tbody></table> <table><thead><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></thead><tbody><tr><td>1</td><td>570</td><td>78.0</td><td>75.0</td></tr><tr><td>4</td><td>552</td><td>78.0</td><td>75.0</td></tr><tr><td>8</td><td>547</td><td>77.2</td><td>74.2</td></tr><tr><td>10</td><td>545</td><td>75.3</td><td>72.3</td></tr><tr><td>16</td><td>543</td><td>71.2</td><td>68.2</td></tr><tr><td>20</td><td>542</td><td>69.3</td><td>66.3</td></tr><tr><td>25</td><td>541</td><td>67.3</td><td>64.3</td></tr><tr><td>31.25</td><td>540</td><td>65.4</td><td>62.4</td></tr><tr><td>62.5</td><td>539</td><td>59.4</td><td>56.4</td></tr><tr><td>100</td><td>538</td><td>55.3</td><td>52.3</td></tr><tr><td>200</td><td>537</td><td>49.3</td><td>46.3</td></tr><tr><td>250</td><td>536</td><td>47.3</td><td>44.3</td></tr><tr><td>300</td><td>536</td><td>45.8</td><td>42.8</td></tr><tr><td>400</td><td>536</td><td>43.3</td><td>40.3</td></tr><tr><td>500</td><td>536</td><td>41.3</td><td>38.3</td></tr><tr><td>600</td><td>535</td><td>39.7</td><td>36.7</td></tr></tbody></table>					Frequency	RL	ATT	NEXT	PS NEXT	(MHz)	≥dB	≤dB	≥dB	≥dB	1	20.0	2.0	78.0	75.0	4	23.0	3.7	78.0	75.0	8	24.5	5.2	78.0	75.0	10	25.0	5.9	78.0	75.0	16	25.0	7.4	78.0	75.0	20	25.0	8.3	78.0	75.0	25	24.3	9.3	78.0	75.0	31.25	23.6	10.4	78.0	75.0	62.5	21.5	14.9	75.5	72.5	100	20.1	19.0	72.4	69.4	200	18.0	27.5	67.9	64.9	250	17.3	31.0	66.4	63.4	300	17.3	34.2	65.2	62.2	400	17.3	40.0	63.4	60.4	500	17.3	45.3	61.9	58.9	600	17.3	50.1	60.7	57.7	Frequency	DELAY	ACRF	PS ACRF	(MHz)	≤ns	≥dB	≥dB	1	570	78.0	75.0	4	552	78.0	75.0	8	547	77.2	74.2	10	545	75.3	72.3	16	543	71.2	68.2	20	542	69.3	66.3	25	541	67.3	64.3	31.25	540	65.4	62.4	62.5	539	59.4	56.4	100	538	55.3	52.3	200	537	49.3	46.3	250	536	47.3	44.3	300	536	45.8	42.8	400	536	43.3	40.3	500	536	41.3	38.3	600	535	39.7	36.7
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Diameter (mm)		0.560±0.005																																																																																																																																																																										
Insulation	Material		Skin-foam-skin PE																																																																																																																																																																									
	Color		White/Blue,White/Orange,White/Green,White/Brown																																																																																																																																																																									
	Diameter (mm)		1.35±0.05																																																																																																																																																																									
Inner Screening	Material		Paired AL/Mylar																																																																																																																																																																									
Drain Wire	Material		1/0.40mm Tc or None																																																																																																																																																																									
Outer Screening Braid	Material		Aluminum-magnesium alloy																																																																																																																																																																									
	Coverage		≥30%																																																																																																																																																																									
Rip Cord	YES																																																																																																																																																																											
Jacket	Material		LSZH (ROHS)																																																																																																																																																																									
	External O.D.(mm)		7.5±0.3																																																																																																																																																																									
	Thickness (mm)		0.55±0.05																																																																																																																																																																									
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Printing	TBD																																																																																																																																																																											
Packing	Roll																																																																																																																																																																											
Jacket Physical properties	Before Aging	Tensile Strength(MPa): ≥10(LSZH)																																																																																																																																																																										
		Elongation (%): ≥125 (LSZH)																																																																																																																																																																										
	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	250-600MHz	100±25Ω																																																																																																																																																																						
Environment Temperature						CPR																																																																																																																																																																						
Store		0~40℃		Work	-20~60℃	TBD																																																																																																																																																																						
Version :		Date		Record			Author	Approved By																																																																																																																																																																				
A1		8-4-2026		Original			Qiu Meihua	Jin Jianbing																																																																																																																																																																				