



# ANSEC

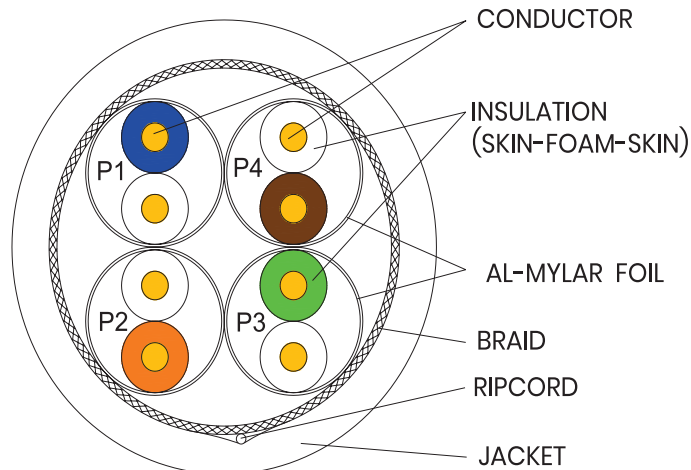
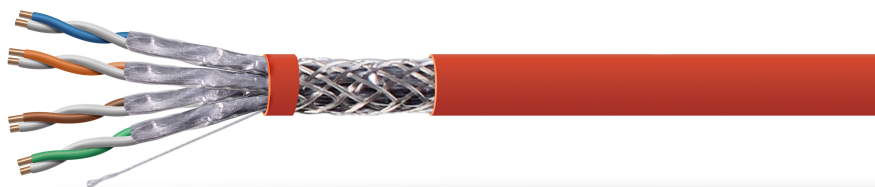
## CAT7 S/FTP 23AWG CU LSZH 500m COMMUNICATION CABLE



### PRODUCT DATA SHEET

Type		CAT7 S/FTP 23AWG CU LSZH 500m	
Structure		Structure A	
Conductors	Structure AWG	AWG	23# (1/23)
	Material	----	Solid Bare Copper
	Diameter	mm	Ø 0.56+/-0.008
Insulation	Material	----	PE(Skin-Foam-Skin)
	Diameter	mm	Ø 1.36+/-0.05
	Average Thickness	mm	0.40+/-0.05
Assembly	Direction	----	S
	No. of Insulations	Pair	4
Shielding	Material	----	Al-Foil Screened
Braid	Material	----	Tinned copper (16*6*0.10mm)
Jacket	Material	----	LSOH
	Diameter	mm	Ø 8.0+/-0.3
	Average Thickness	mm	0.65+/-0.1
	Flame Rate	----	----

## Construction:



### core:

- P1: White/Blue
- P2: White/Orange
- P3: White/Green
- P4: White/Brown

## Electrical characteristics

1. Impedance	4 - 100MHz 100±15 (ohms) / 100 - 200MHz 100±22 (ohms) / 200 - 600MHz 100±32 (ohms)
2. Max. Conductor DC Resistance 20°C	93.8 (ohms/km)
3. Resistance unbalance (%) max	2.5
4. Pair-to-Ground Capacitance Unbalance	330 (pF/100m)
5. Transfer Impedance Max	10 mohms/m@100MHz
6. Coupling Attenuation Min	80 dB
7. Installation temperature	0~50°C
8. Operation temperature	-20~60°C

## Nominal Transmission Characteristics

Frequency (MHz)	Min. RL (dB)	Min. IL (dB/100M)	Max. DOP (ns/100M)	Max. SKEW (ns/100M)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACR-F (dB/100M)	Min. PSACR-F (dB/100M)
4	23	3.7	552	25	78	75	78	75
8	24.5	5.2	547	25	78	75	77.2	74.2
10	25	5.8	545	25	78	75	75.3	72.3
16	25	7.3	543	25	78	75	71.2	68.2
20	25	8.2	542	25	78	75	69.3	66.3
25	24.3	9.2	541	25	78	75	67.3	64.3
31.25	23.6	10.3	540	25	78	75	65.4	62.4
62.5	21.5	14.6	539	25	75.5	72.5	59.4	56.4
100	20.1	18.5	538	25	72.4	69.4	55.3	52.3
200	18	26.5	537	25	67.9	64.9	49.3	46.3
250	17.3	29.7	536	25	66.4	63.4	47.3	44.3
300	17.3	32.7	536	25	65.2	62.2	45.8	42.8
400	17.3	38	536	25	63.4	60.4	43.3	40.3
500	17.3	42.8	536	25	61.9	58.9	41.3	38.3
600	17.3	47.1	535	25	60.7	57.7	39.7	36.7

