

**PRODUCT DATASHEET: CATEGORY 6 SFTP 4P 23AWG LSZH**

**Description**

- Rated temperature: 70°C
- Reference standard: ANSI/TIA-568-C.2
- 23 AWG Solid bare copper conductors
- Flame Retardant comply to IEC 60332 P1
- Halogen Free Comply to IEC 60754 P1
- Colour-coded Foamed PE insulation

**Application**

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard. Operates at bandwidth of 250 MHz. This cable well exceeds the requirements of ANSI/TIA-568-C.2

Tinned Copper Screening gives Protection against EMI and avoid signal loss. Better Mechanical Properties of Cable. Individual Pair Shielding Provides Higher protection against Crosstalk

**Product Figure**



**Physical Characteristics**

<b>Insulation</b>	Construction	S/FTP
	Number of pairs	4 Pairs
	AWG	23 AWG
	Solid or stranded; bare or tinned	Solid bare copper
<b>Shield</b>	Insulation Material	Foam PE
	Number colour (stripe marking)	1.White & Blue (in foil 1) 2.White & Orange (in foil 2) 3.White & Green (in foil 3) 4.White & Brown (in foil 4)
	Individual Shield & Material	AL- Foil
	Primary Overall Shield	Tinned Copper Braid
<b>Outer jacket</b>	Outer Jacket Material	LSZH
	Overall dimension	7.5 +/- 0.3 mm
	Outer jacket rip cord	Yes
<b>Mechanical</b>	Outer jacket colour	Gray RAL7037
	Operating temp. range	-20 °C ~ +70 °C
	Installation Temperature	0° to +50°C
<b>Electrical characteristics</b>	Pull Force	11.5Kgs
	Nom. mutual capacitance	<=5.6 nF/100m @1KHz
	Max. capacitance unbalance	<=330 pF/100m
	Max. delay skew	45 ns
	Max. conductor resistance unbalance	<=5% (@ 20 °C)
	Dielectric Strength	2.5 KVDC for 2 Seconds
	Impedance	100±15%Ω
Max. conductor resistance	9.38Ω/100m	

• For additional information please contact your sales representative  
 • CISFIBER Infra Solutions Pvt. Ltd. reserves the right to make changes in this datasheet at any time without notice

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**Electrical Characteristics meet or exceed ANSI/TIA-568-C.2 90m PL**

Frequency (MHz)	Insertion Loss Max.(dB)	NEXT (dB) Min.	ACR-N (dB) Min.	RL (dB) Min.	PS NEXT (dB) Min.	PS ACR-N (dB) Min.	ACR-F (dB) Min.	PS ACR-F (dB) Min.
1	1.9	65	62	19.1	62	59	64.2	61.2
4	3.5	64.1	60.6	21	61.8	58.3	52.1	49.1
8	5	59.4	54.4	21	57	52.1	46.1	43.1
10	5.5	57.8	52.3	21	55.5	49.9	44.2	41.2
16	7	54.6	47.6	20	52.2	45.2	40.1	37.1
20	7.9	53.1	45.2	19.5	50.7	42.8	38.2	35.2
25	8.9	51.5	42.7	19	49.1	40.2	36.2	33.2
31.25	10	50	40	18.5	47.5	37.6	34.3	31.3
62.5	14.4	45.1	30.8	16	42.7	28.3	28.3	25.3
100	18.6	41.8	23.3	14	39.3	20.7	24.2	21.2
200	27.4	36.9	9.6	11	34.3	7	18.2	15.2
250	31.1	35.3	4.2	10	32.7	1.6	16.2	13.2

**Cable Printing details:**

CISNET CAT6 4PR 23AWG S/FTP LSZH TIA-568-C.2 < cable PN> RoHS COMPLIANT <month/year> <batch number> XXX m

**Ordering Guide**

Part Number	Description
UC231412	CISNET™ CATEGORY 6 S/FTP 4P 23 AWG LSZH GREY CABLE 305m ON REEL

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