



## FTP Cat6A CU specification 4X2X23AWG LSZH

### Electrical Characteristics

ITEM MHz	ATT	NEXT	RL	PS-NEXT	ELFEXT	PSELFEXT
	dB/100m	dB	dB	dB	dB	dB
	Max.	Min.	Min.	Min.	Min.	Min.
1	3.0	65.0	19.0	62.0	63.3	60.3
4	4.2	63.0	19.0	60.5	51.2	48.2
8	5.8	58.2	19.0	55.6	45.2	42.2
10	6.5	56.6	19.0	54.0	43.3	40.3
16	8.2	53.2	18.0	50.6	39.2	36.2
20	9.2	51.6	17.5	49.0	37.2	34.2
25	10.2	50.0	17.0	47.3	36.3	32.3
31.25	11.5	48.4	16.5	45.7	33.4	30.4
62.5	16.4	43.4	14.0	40.6	27.3	24.3
100	20.9	39.9	12.0	37.1	23.3	20.3
200	30.1	34.8	9.0	31.9	17.2	14.2
250	33.9	33.1	8.0	30.2	15.3	12.3
350	40.6	30.3	6.6	27.3	12.4	9.4
450	46.5	27.3	6	24.4	10.2	7.2
500	49.3	26.1	6	23.2	9.3	6.3

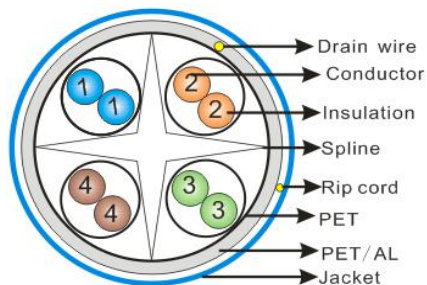
NOTE: FLUKE TIA Cat6A Channel Test

### CONSTRUCTION

- Conductor:  $0.56 \pm 0.02$ mm  
Material: Soft annealed bare copper wire
- Insulation: HDPE  
Nominal wall : 0.28mm  
Diameter:  $1.12 \pm 0.05$ mm
- Filler
- Outer Shield  
Material: Aluminum Foil-Polyester Tape
- Outer Shield Drain Wire  
Material: CCS  
Diameter:  $0.50 \pm 0.01$ mm
- Rip cord  
under the sheath
- Jacket: LSZH  
Nominal wall thickness of sheath: 0.45mm  
Outer diameter:  $7.5 \pm 0.50$  mm

Marking:

To Be Determined



This Cable meet ROHS requirement

Confidential information

- Conductor resistance at 20°C :  $\leq 93.8 \Omega/\text{km}$
- Unbalance conductor DC resistance :  $\leq 5\%$
- Mutual capacitance:  $\leq 56\text{nF}/\text{km}$
- Pair to ground capacitance unbalance  $\leq 330\text{pF}/100\text{m}$

### Mechanical Characteristics

- Storage Temperature rangg:  $-15^\circ\text{C}$  to  $75^\circ\text{C}$
- Installation Temperature rangg:  $0^\circ\text{C}$  to  $60^\circ\text{C}$
- Maximum Pulling Force: 25lbs
- Min bend radius (install) : 65mm

### Color code

Pair	Color	Pair	Color
1	White/Blue + Blue	3	White/Green + Green
2	White/Orange + Orange	4	White/Brown + Brown

### Flammability test

Meet the CPR Eca