

## Cable F/UTP CAT6A LSZH

P/N: XTFTP6A-LSZH-3603

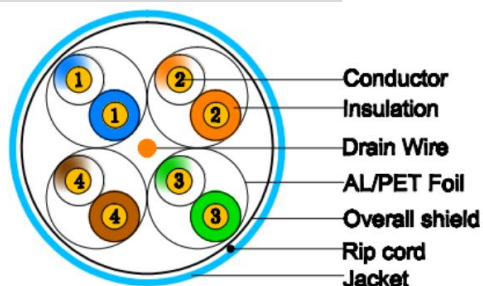
Version: A0 Date:

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### Applications

This Cable meet ROHS requirement, Confidential information

### Construction&Dimensions



- **Conductor**

Material: Solid bare copper

Diameter: 0.55±0.01mm

- **Insulation**

Material: Insulation(Pair1 Pair2 Pair3 Pair 4): PE-Foam/skin-PE

Inside skin: 0.02mm

Outer skin: 0.05mm

Diameter: 1.30±0.05mm

- **Cable core**

4 number of Twisted pair stranded together to form the main core

Colour code pair 1 White / Blue、 Blue

Colour code pair 2 White / Orange、 Orange

Colour code pair 3 White / Green、 Green

Colour code pair 4 White / Brown、 Brown

- **Individual shield :**

Material: Aluminum Foil-Polyester Tape

- **Outer Shield Drain Wire:**

Material: CCS

Diameter: 0.50±0.01

- **Overall Shield:**

Material: Aluminum Foil-Polyester Tape

- **Rip Cord:** under the sheath

- **Jacket:**

Material: LSZH

Nominal wall thickness of sheath: 0.45mm

Diameter: 7.4±0.5mm

## Electrical characteristics

Item		Parameter		Unit			
Conductor resistance		$\leq 9.38$		$\Omega/100m$			
Resistance unbalance within a pair		$< 2.0$		%			
Resistance unbalance between pairs		$< 5.0$		%			
Insulation resistance		$\geq 5000$		$M\Omega Km$			
Mutual capacitance		$\leq 5.6$		$nF/100m$			
Capacitance unbalance pair to ground		$\leq 160$		$pF/100m$			
MHz	. ITEM	ATT	RL	NEXT	PS- NEXT	ELFEXT	PSELFEXT
		$\leq dB/100m$	$\geq dB$	$\geq dB$	$\geq dB$	$\geq dB$	$\geq dB$
1		3.0	19.1	65.0	62.0	64.2	61.2
4		3.5	21.0	64.1	61.8	52.1	49.1
8		5.0	21.0	59.4	57.0	46.1	43.1
10		5.5	21.0	57.8	55.5	44.2	41.2
16		7.0	20.0	54.6	52.2	40.1	37.1
20		7.8	19.5	53.1	50.7	38.2	35.2
25		8.8	19.0	51.5	49.1	36.2	33.3
31.25		9.8	18.5	50.0	47.5	34.3	31.3
62.5		14.0	16.0	45.1	42.7	28.3	25.3
100		18.0	14.0	41.8	39.3	24.2	21.2
200		26.1	11.0	36.9	34.3	18.2	15.2
250		29.5	10.0	35.3	32.7	16.2	13.2
350		35.6	8.6	31.8	29.1	13.3	10.3
450		41.1	8	28.2	25.3	11.1	8.1
500		43.8	8	26.7	23.8	10.2	7.2

NOTE: FLUKE TIA Cat6A Perm .Link Test

## Mechanical characteristics

Item	Parameter	Unit
Minimum elongation at break of the sheath	$\geq 125$	%
Minimum Tensile strength of sheath	$\geq 10$	MPa

## Packing information

Cable Length : 305 m  $\pm$  1.5 m

Reel/Spool Size (cm) : Disk diameter x total height x cylinder core: 45x27x25cm