



# CAT6A U/FTP 4 PAIR LSZH CABLE

## Technical information



**Features:** A four pair unshielded twisted pair (U/FTP) cable. Compliant with the latest specifications

- ◆ Low memory
- ◆ Metre marked from 500m to 0m
- ◆ Cat6 ISO 11801, Class E or EN50173 Class E
- ◆ 23AWG solid conductors
- ◆ LSZH Light blue sheath
- ◆ 500m reel
- ◆ 25 year Ultima System Warranty compliant

### Physical Characteristics

Construction	Number of Pairs	AWG	Conductor Dimension	Conductor Material Detail
U/FTP	4 Pair	23 AWG	0.560 +/- 0.02mm	Solid bare copper
Insulation Material	Outer Jacket Material	Insulation Dimension	Outer Jacket Thickness	Overall Diameter
Foam PE	LSZH	1.25 +/-0.06mm	0.5mm	6.8 +/-0.3mm
Operating Temperature	Bulk Cable Weight	Min. Bend Radius	Max Pulling Tension	Jacket Tensile Strength
-20°C ~ +75°C	49kg/km	47.2mm	80N	>=9 Mpa

### Main electrical & transmission characteristics

Nom. Mutual Capacitance	Pair to Ground Capacitance Unbalance	Nominal Velocity of Propagation	Max. Delay Skew
<=5.6 nF/100m (@1KHz)	<=1600pF/100m	74%	45ns/100m
Max. Conductor DC Resistance	Min. Insulation Resistance	Max. Conductor Resistance Unbalance	Max. Operating Voltage - UL
-95Ω/km	5000 MΩkm	<=2% (@20°C)	300V

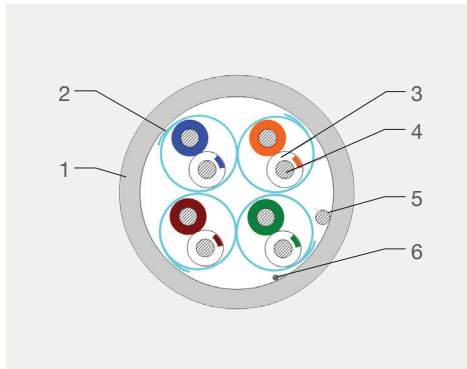
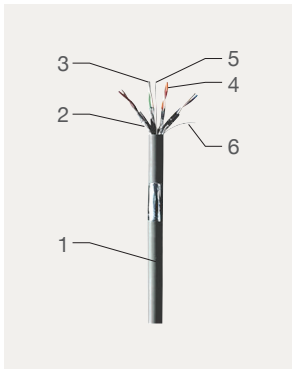
### Performance

Frequency (MHz)	Upper Characteristic Impedance Zu(Ω)	Lower Characteristic Impedance Zl(Ω)	RL (DB)	ATT (dB/100m)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB/100m)	PS ELFEXT (dB/100m)	PD (ns/100m)
1	-	-	20.0		74.3	72.3	67.8	64.8	570.0
4	115.2	86.8	23.0	3.8	65.3	63.3	55.8	52.8	552.0
8	112.6	88.8	24.5	5.3	60.8	58.8	49.7	46.7	546.7
10	111.9	89.4	25.0	5.9	59.3	57.3	47.8	44.8	545.4
16	111.9	89.4	25.0	7.5	56.2	54.2	43.7	40.7	543.0
20	111.9	89.4	25.0	8.5	54.8	52.8	41.8	38.8	542.0
25	112.9	88.5	24.3	9.4	53.3	51.3	39.8	36.8	541.2
31.25	114.1	87.7	23.6	10.5	51.9	49.9	37.9	34.9	540.4
62.5	118.3	84.5	21.5	15.0	47.4	45.4	31.9	28.9	538.6
100	121.9	82.0	20.1	19.1	44.3	42.3	27.8	24.8	537.6
200	128.8	77.6	18.0	27.6	39.8	37.8	21.8	18.8	536.5
250	131.5	76.0	17.3	31.1	38.3	36.3	19.8	16.8	536.3
300	133.9	74.7	16.8	34.3	37.1	35.1	18.3	15.3	536.1
400	138.2	72.3	15.9	40.1	35.3	33.3	15.8	12.8	535.8
500	142.0	70.4	15.2	45.3	33.8	31.8	13.8	10.8	535.6



# CAT6A U/FTP 4 PAIR LSZH CABLE

## Technical information



- 1 Outer Jacket
- 2 AL-Foil
- 3 Conductor
- 4 Insulation
- 5 Drain Wire
- 6 Rip Cord

### Part Number

Item	Description	Type	NVP Rating	Sheath	Length	Colour
789924	Solid	U/FTP	74%	LSZH	500Mtr	Light Blue (RAL5012)