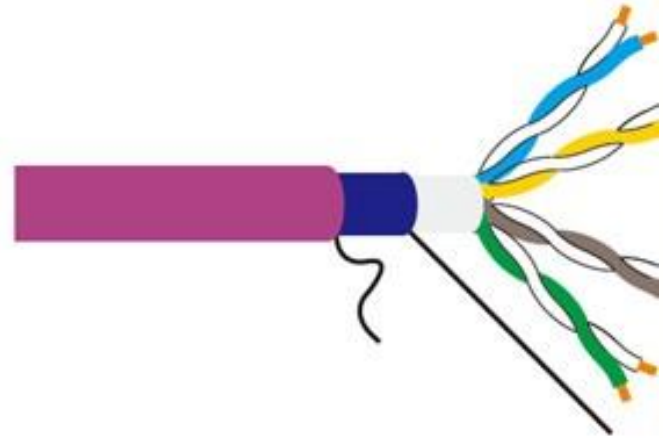
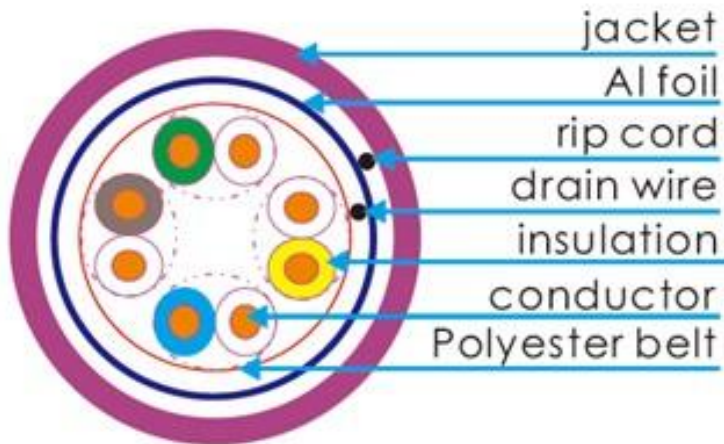


## FTP CAT6A SOLID CABLE, LSZH PART NO. SOL- 6A-YFTSC

### CATEGORY 6A CABLE, FTP, 4 PAIRS, 100Ω, PVC



### DESCRIPTION

Complies with Class Ea & Cat 6A standards, supports applications up to 500MHz.

### PHYSICAL CHARACTERISTIC

#### Conductor

Material : solid bare copper  
Diameter :  $0.57 \pm 0.005$ mm  
Elongation ratio :  $\geq 15\%$   
AWG : 23

#### Insulation

Material: PE  
Diameter :  $1.15 \pm 0.05$ mm  
Drain wire: tinned copper  
Shielding: AL Foil

#### Out jacket

Material: PVC  
Color: Optional  
Thickness : 0.6mm  
Diameter :  $7.0 \pm 0.5$ mm

### ELECTRICAL CHARACTERISTIC

- Linear resistance(100m) :  $\leq 9.5\Omega$
- Mutual capacity(100m) :  $\leq 5.6$ nF
- Unbalance capacity(100m) :  $\leq 330$ pF
- Characteristic impedance:  $100 \pm 15\Omega$ (1-500MHz)
- Velocity of propagation: Approx 66% of C(at 500MHz)

### ENVIRONMENTAL CHARACTERISTIC

- working temperature :  $-40^\circ\text{C}$  to  $+70^\circ\text{C}$  near resistance(100m) :  $\leq 9.5\Omega$

## FTP CAT6A SOLID CABLE, LSZH PART NO. **SOL- 6A-YFTSC**

### Transmission performance(20°C,100m)

Frequency (MHz)	ReturnLoss Min(dB)	Attenuation Max(dB/100m)	NEXT Min(dB)	PSNEXT Min(dB)	EL FEXT Min	PSELFEXT Min(dB/100m)
4	23	3.8	66.3	63.3	56	53
8	24.5	5.3	61.8	58.8	49.9	46.9
10	25	5.9	60.3	57.3	48	45
16	25	7.5	57.2	54.2	43.9	40.9
20	25	8.4	55.8	52.8	42	39
25	24.3	9.4	54.3	51.3	40	37
31.25	23.6	10.5	52.9	49.9	38.1	35.1
62.5	21.5	15	48.4	45.4	32.1	29.1
100	20.1	19.1	45.3	42.3	28	25
200	18.0	27.6	40.8	37.8	22	19
250	17.3	31.1	39.3	36.3	20	17
300	17.3	34.3	38.1	35.1	18.5	15.5
400	17.3	40.1	36.3	33.3	16	13
500	17.3	45.3	34.8	31.8	14	11

### STANDARD

- ISO/IEC 11801
- TIA/EIA 568-C.2

### INSTALL INFO

- Bending radius :  $\geq 10 \times \text{diameter}$

### APPLICATION

- UL 10 BASE-T Ethernet
- 100 BASE-T Fast Ethernet
- 100 BASE-TX Fast Ethernet
- 155 Mbit ATM
- 625 Mbit ATM
- 1.2 Gbit ATM

### PACKING INFO

- Length : 305m or 500m a plywood drum
- Weight : 52 Kg/KM