

## UTP CAT 6 LSZH

### Revision History

|                            |                 |
|----------------------------|-----------------|
| Part No:842-7324, 842-7327 | Price NO:       |
| Prepared by:GJQ            | Date: 2014/9/15 |
| Approved by:               | Page: 1 of 1    |

**Product Code:** UTP CAT 6 LSZH

### Product Description

#### Application:

1000 Mbps/s Networks;VOIP; IP Camera; IP TV;

#### Reference Standard

ISO/IEC 11801: 2011; IEC61156-5:2009; EN50173; EN50288-6-1:2013

#### Multi-construction

4 Pair

### Cable Construction

#### 1.Conductor Bare Copper

Construction (mm) 0.52±0.01

#### 2.Insulation HDPE

Insulation Dia.(mm) 0.92±0.08×2C Twist

#### 3.Filler Corss Member PE

#### 4.Jacket LSZH

Dia.(±0.25mm) 6.00

Jacket Color According to customer

#### Colour

Insulation colour are:

|                    |                      |
|--------------------|----------------------|
| Blue, White/Blue   | Orange, White/Orange |
| Green, White/Green | Brown, White/Brown   |

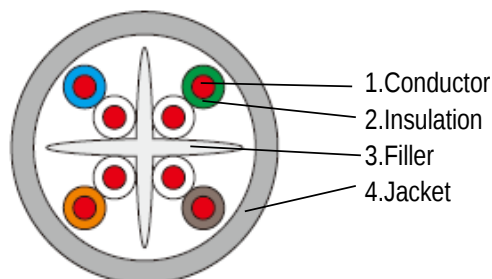
#### Marking

According to customer.

#### Packaging

100m/Coil  
500m/Durm

### Design



### Electrical Characteristics

#### Performance

| Frequency (MHz) | Attenuation (dB) | NEXT (dB) | RL (dB) | Return Loss (dB) |
|-----------------|------------------|-----------|---------|------------------|
| 1.00            | 2.10             | 75.30     | 72.30   | 20.00            |
| 4.00            | 3.80             | 66.30     | 63.30   | 23.00            |
| 10.00           | 6.00             | 60.30     | 57.30   | 25.00            |
| 16.00           | 7.60             | 57.20     | 54.20   | 25.00            |
| 31.25           | 10.70            | 52.90     | 49.90   | 23.60            |
| 62.50           | 15.50            | 48.40     | 45.40   | 21.50            |
| 100.00          | 19.90            | 45.30     | 42.30   | 20.10            |
| 250.00          | 33.00            | 39.30     | 36.30   | 17.30            |

| Frequency (MHz) | ELFEXT (dB) | PSELFEXT (dB) |
|-----------------|-------------|---------------|
| 1.00            | 68.00       | 65.00         |
| 4.00            | 56.00       | 53.00         |
| 10.00           | 48.00       | 45.00         |
| 16.00           | 43.90       | 40.90         |
| 31.25           | 38.10       | 35.10         |
| 62.50           | 32.10       | 29.10         |
| 100.00          | 28.00       | 25.00         |
| 250.00          | 20.00       | 17.00         |

|                                           |                                      |
|-------------------------------------------|--------------------------------------|
| Max.Conductor DC Resistance at 20℃ (Ω/Km) | <97.6                                |
| Rated Temperature(℃)                      | 60                                   |
| Velocity ratio                            | 70%                                  |
| Impedance(Ω)                              | 1-100MHz 100±15<br>100-250MHz 100±20 |

Fire Performance: IEC60332-1

Smoke Density: IEC61034

Halogen Free: IEC60754