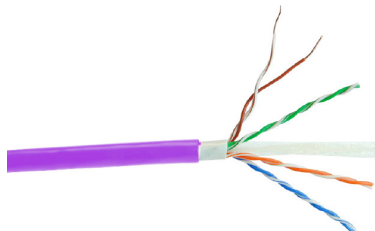


RoHS  
Compliant



## Specifications:

### Designed of cable

Inner conductor : Single Bare Copper (0.553mm ±0.01mm)  
 Insulation : HDPE  
 Insulation Dia : 1mm ±0.05mm  
 Core colour : White-Blue; White-Orange; White-Green & White-Brown  
 Drain Wire : 0.4 ±0.01mm Tinned Copper  
 Jacket Material : LSOH  
 Colour : Purple  
 Size : 6.3mm ±0.2mm  
 Wall thickness : 0.6mm

### Electric data at 20°C

Conductor resistance : ≤70Ω/kM  
 Insulation resistance : ≥5,000M Ω × kM  
 Testing voltage : wire/wire 50Hz 1min=1.5kV  
 Permissible temperature : -10°C to 60°C

### Other Electric data:

| Frequency | Impedance | RL       | ATT      | NEXT     | ELFEXT   | PSNEXT   | PSELFEXT | SKW      | NVP |
|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|-----|
| Mhz       | ohm       | ≥dB/100M | ≤dB/100M | ≥dB/100M | ≥dB/100M | ≥dB/100M | ≥dB/100M | ≤ns/100M |     |
| 1         | 100 ±15   | 20       | 2.03     | 74.3     | 68       | 72.3     | 65       | ≤45      | 66% |
| 4         |           | 23       | 3.7      | 65       | 56       | 63.3     | 53       |          |     |
| 8         |           | 24.5     | 5.3      | 60.7     | 49.9     | 48.8     | 46.9     |          |     |
| 10        |           | 25       | 5.9      | 59       | 48       | 57.3     | 45       |          |     |
| 16        |           | 25       | 7.5      | 56       | 43.9     | 54.2     | 40.9     |          |     |
| 20        |           | 25       | 8.4      | 55       | 42       | 52.8     | 39       |          |     |
| 25        |           | 24.3     | 9.5      | 53.3     | 40       | 41.3     | 37       |          |     |
| 31.25     |           | 23.6     | 10.6     | 52       | 38.1     | 49.9     | 35.1     |          |     |
| 62.5      |           | 21.5     | 15.4     | 47       | 32.1     | 45.4     | 29.1     |          |     |
| 100       |           | 20.1     | 19.8     | 44       | 28       | 42.3     | 25       |          |     |
| 200       | 100 ±20   | 18       | 29       | 40       | 22       | 37.8     | 19       |          |     |
| 250       |           | 17.3     | 32.8     | 38.3     | 20       | 36.3     | 17       |          |     |

## Part Number Table

| Description                              | Part Number |
|--|-------------|
| CAT 6 Low Smoke Zero Halogen Cable, 305m | CAT6LOWSMZH |

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