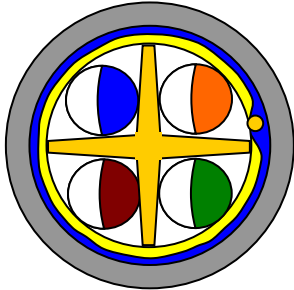


**Newlink Cat 6A F/UTP LSZH 1,000 Ft**

**Product Description**

Type: Category 6A F/UTP 4 Pair screened cable  
 Standards: ISO11801 & ANSI/TIA- 568-C.2, UL Subject to 444  
 Applications: Generic cabling systems. Including 10Base -T, 100Base -T  
 1000Base -T, ATM 10G & Token Ring  
 This range of screened cables is designed to support Cat 6A Link and Channel performance.



**Construction:**

|                       |   |
|-----------------------|---|
| Conductor             | 23AWG annealed bare copper(≥0.555mm)                                |
| Insulation            | Three pairs HDPE and One pair Foam PE                               |
| Color Code            | White -Blue, White -Orange, White -Green, White -Brown              |
| Overall Screen        | Aluminium poly laminate, 0.4+/-0.01mm Tinned Copper wire Drain Wire |
| Outer Jacket          | LSZH Nominal Diameter 7.3+/- 0.3 mm                                 |
| Overall Diameter      | Thickness: 0.50mm +/- 0.05mm  |
| Additional Components | Ripcord   |

**Mechanical Characteristics:**

|                          |  |
|--------------------------|--|
| Maximum Pulling Force    | 100 N  |
| Minimum Bending Radius   | 8*OD   |
| Nominal Weight           | 56 KG/KM                                       |
| Operating Temperature    | -20Deg C ~ +60 Degrees C                       |
| Installation Temperature | +0Deg C ~ +50 Degrees C                        |
| Velocity of Propagation  | (64% Nominal)                                  |
| LSZH Requirement         | ROHS, IEC60332-1, IEC60754-1&-2, IEC61034-1&-2 |

**Supplied Cable Length:**

|              |                                |
|--------------|--------------------------------|
| Cable Length | 305Meter/Reel or 500Meter/Reel |
|--------------|--------------------------------|

**Electrical Performance:**

|                                |           |      |      |      |      |           |      |      |        |      |        |
|--------------------------------|-----------|------|------|------|------|-----------|------|------|--------|------|--------|
| Transmission Frequency (MHz)   | 1         | 4    | 10   | 16   | 20   | 31.2<br>5 | 62.5 | 100  | 200    | 250  | 500    |
| NEXT dB                        | 74.3      | 65.3 | 59.3 | 56.2 | 54.8 | 51.9      | 47.4 | 44.3 | 39.8   | 38.3 | 33.8   |
| Characteristic Impedance (ohm) | 100+/- 15 |      |      |      |      |           |      |      | +/- 22 |      | +/- 25 |
| Attenuation dB/100m            | 2.1       | 3.8  | 5.9  | 7.5  | 8.4  | 10.5      | 15.0 | 19.1 | 27.6   | 31.1 | 45.3   |
| Return Loss dB                 | 20        | 23   | 25   | 25   | 25   | 23.6      | 21.5 | 20.1 | 18     | 17.3 | 15.2   |
| PSNEXT dB                      | 72.3      | 63.3 | 57.3 | 54.2 | 52.8 | 49.9      | 45.4 | 42.3 | 37.8   | 36.3 | 31.8   |
| ACRF dB                        | 67.8      | 55.8 | 47.8 | 43.7 | 41.8 | 37.9      | 31.9 | 27.8 | 21.8   | 19.8 | 13.8   |

**Ordering Information:**

| Part number | Description                        |
|-------------|------------------------------------|
| NEW-980777X | Newlink Cat 6A F/UTP LSZH 1,000 Ft |

X=1: Gray, X=2: Blue