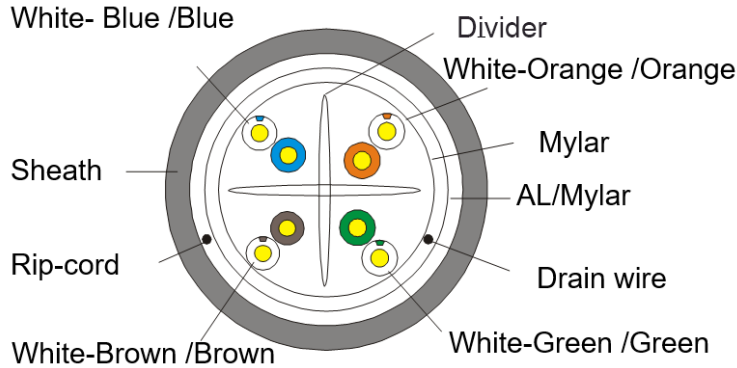


Newlink Cat 6A STP LSZH 1,000 Ft



Construction:

| | | | | |
|---------------------------|-----------------------|-------------------------|------|--------|
| Conductor | Material: | Solid Bare Copper | | |
| | Nom. O.D. (mm) | 0.565 | Up | +0.001 |
| | | | down | -0.001 |
| Insulation 1 | Material | PE | | |
| | Diameter | 1.12 ± 0.05mm | | |
| Insulation 2 | Material | PE | | |
| | Diameter | 1.16 ± 0.05mm | | |
| Screening Material | Mylar+ AL/Mylar | | | |
| Jacket | Thickness | 0.55 ± 0.05mm | | |
| | External O.D. | 7.4 ± 0.04mm | | |
| | Surface | Clean, Frap, Satiation | | |
| | Material | LSZH (Complies RoHS) | | |
| | Color | Blue or Gray | | |
| Surface Printing | Letter height | 3.0 ± 0.03mm | | |
| | Color | Black | | |
| | Print error & space | ≤± 0.5% 1m | | |
| Core color | 1 White – Blue/Blue | 2 White – Orange/Orange | | |
| | 3 White – Green/Green | 4 White – Brown/Brown | | |
| Length | 305 ± 1.5m | | | |
| Packing | Reel | | | |
| Rip-cord | Yes | | | |
| Drain Wire | Yes | | | |

| | |
|--|---|
| Physical Properties | Before aging Tensile Strength (Mpa) ≥ 10.0 Elongation (%) ≥ 125 |
| | Aging Period ($^{\circ}\text{C} \times \text{hrs}$) $100^{\circ}\text{C} \ 24\text{h} \times 7\text{d}$ |
| | After aging Tensile Strength (Mpa) ≥ 8.0 Elongation (%) ≥ 100 |
| | Cold Bend ($-20 \pm 2^{\circ}\text{C} \times 4\text{h}$) $8 \times \text{Cable OD}$, no visible cracks |
| Electrical Characteristics (20°C) | Impedance (Ω) $1.0 - 250.0 \text{ MHz}$ 100 ± 15 $250.0 - 500.0 \text{ MHz}$ 100 ± 22 |
| | $1.0 - 500.0\text{MHz}$ Delay Skew (ns/100m) ≤ 45 |
| | DC Resistance ($\Omega / 100\text{m}$) max 9.38 |
| | DC Conductor Resistance Unbalance (%) max 5.0 |
| Standards | ISO/IEC11801, ANSI/TIA-568.2-D |

Technical Performance 100m:

| Frequency (MHz) | Return $\geq \text{dB}$ | ATT $\leq \text{dB}$ | NEXT $\geq \text{dB}$ | PHASE DELAY $\leq \text{ns}$ | PSNEXT $\geq \text{dB}$ | ELFEXT $\geq \text{dB}$ | PSELFEXT $\geq \text{dB}$ |
|-----------------|-------------------------|----------------------|-----------------------|------------------------------|-------------------------|-------------------------|---------------------------|
| 1 | 20.0 | -- | 74.3 | 570.0 | 72.3 | 68.0 | 65.0 |
| 4.0 | 23.0 | 3.8 | 65.3 | 552.0 | 63.3 | 56.0 | 53.0 |
| 8.0 | 24.5 | 5.3 | 60.8 | 546.7 | 58.8 | 49.9 | 46.9 |
| 10.0 | 25.0 | 5.9 | 59.3 | 545.4 | 57.3 | 48.0 | 45.0 |
| 16.0 | 25.0 | 7.5 | 56.2 | 543.0 | 54.2 | 43.9 | 40.9 |
| 20.0 | 25.0 | 8.4 | 54.8 | 542.1 | 52.8 | 42.0 | 39.0 |
| 25.0 | 24.3 | 9.4 | 53.3 | 541.2 | 51.3 | 40.0 | 37.0 |
| 31.25 | 23.6 | 10.5 | 51.9 | 540.4 | 49.9 | 38.1 | 35.1 |
| 62.5 | 21.5 | 15.0 | 47.4 | 538.6 | 45.4 | 32.1 | 29.1 |
| 100 | 20.1 | 19.1 | 44.3 | 537.6 | 42.3 | 28.0 | 25.0 |
| 200 | 18.0 | 27.6 | 39.8 | 536.5 | 37.8 | 22.0 | 19.0 |
| 250 | 17.3 | 31.1 | 38.3 | 536.3 | 36.3 | 20.0 | 17.0 |
| 300 | 16.8 | 34.3 | 37.1 | 536.1 | 35.1 | 18.5 | 15.5 |
| 500 | 15.2 | 45.3 | 33.8 | 535.6 | 31.8 | 14.0 | 11.0 |

Ordering Information:

| Part number | Description |
|--------------------|---|
| NEW-9807772-LSZH | STP Cable Cat 6A LSZH Blue for data |
| NEW-9807771-LSZH | STP Cable Cat 6A LSZH Grey for voice |
| NEW-9807775-LSZH | STP Cable Cat 6A LSZH Yellow for VSS_CCTV |