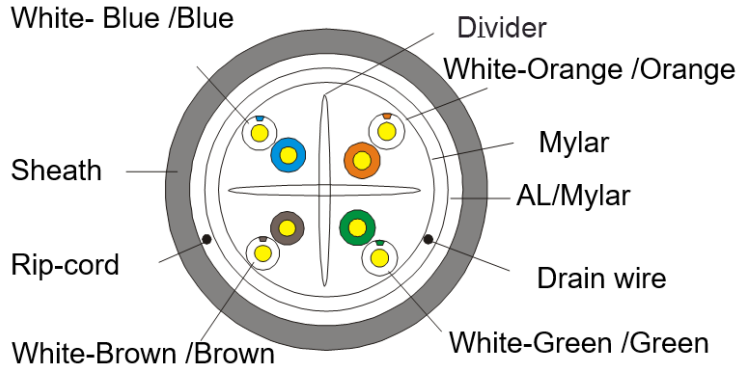


Newlink Cat 6A STP LSZH 1,000 Ft



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-980777X	Newlink Cat 6A STP LSZH 1,000 Ft

X=1: Gray, X=2: Blue