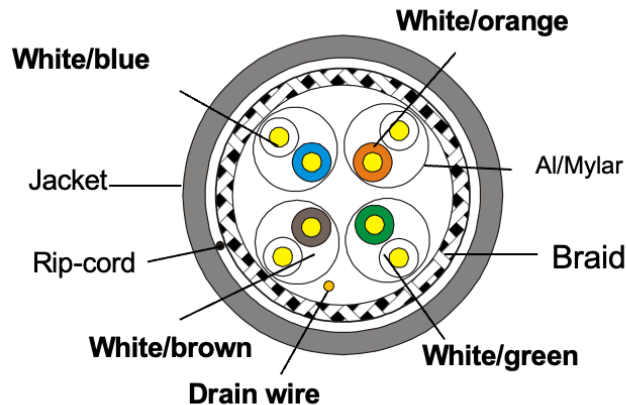


Newlink S/FTP 4-pair Cat 6A Outdoor UV LSZH Gray



Technical Specifications:

Category	S/FTP Cat 6A LSZH Outdoor			
Reference Standard	ISO/IEC11801, ANSI/TIA-568.2-D			
Conductor	Material	SOLID-Bare Copper		
	Nom.O.D.(mm)	0.560	Up	+0.005
			down	-0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.330±0.05 mm		
Inner Screening Material	Al/Mylar	Drain wire	Yes	
Outer Screening Material	Aluminum-magnesium allow	Coverage	≥40%	
Sheath	Thickness	0.55±0.05 mm		
	External O.D.	7.6±0.5 mm		
	Surface	Clean		
	Material	LSZH (complies RoHS), UV resistant		
	Color	Grey		
Surface Printing	Letter height	3.0±0.3mm		

	Color	Black
	Print error & space	$\leq \pm 0.5\%$, 1m
Core Color	1 White/Blue	2 White/Orange
	3 White/Green	4 White/Brown
Packing	Drum	
Packing length	305 $\pm$ 1.5m	
Rip-cord	Yes	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥ 10.0	
	Elongation (%) ≥ 125	
	Aging Period ($^{\circ}\text{C} \times \text{hrs}$) 100 $^{\circ}\text{C} \times 24\text{h} \times 7\text{d}$	
	After Aging Tensile Strength (Mpa) ≥ 8.0	
	Elongation (%) ≥ 100	
Electrical Characteristics (20 $^{\circ}\text{C}$)	Cold bend(-20 $\pm$ 2 $^{\circ}\text{C} \times 4\text{h}$) 8 $\times$ Cable O.D No visible cracks	
	Impedance(Ω)	1.0-250.0MHz 100 $\pm$ 15
		250.0-500.0MHz 100 $\pm$ 22
	1.0-500.0MHz Delay Skew (ns/100m) ≤ 45	
	Unbalanced-to-ground capacitance(pf/km) max 330	
	DC Resistance (Ω/km) max 9.38	
	Resistance Unbalance within a pair (%) max 5.0	

Technical Performance (100m):

Frequency (MHz)	RL $\geq \text{dB}$	ATT $\leq \text{dB}$	NEXT $\geq \text{dB}$	PHASE DELAY $\leq \text{ns}$	PSNEXT $\geq \text{dB}$	ELFEXT $\geq \text{dB}$	PSELFEXT $\geq \text{dB}$
1.0	20.0	--	74.3	570.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	552.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	546.7	58.8	49.7	46.7
10.0	25.0	5.9	59.3	545.4	57.3	47.8	44.8
16.0	25.0	7.5	56.2	543.0	54.2	43.7	40.7
20.0	25.5	8.4	54.8	542.1	52.8	41.8	38.8
25.0	24.3	9.4	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.4	49.9	37.9	34.9
62.5	21.5	15.0	47.4	538.6	45.4	31.9	28.9
100	20.1	19.1	44.3	538.6	42.3	27.8	24.8

200	18.0	27.6	39.8	537.6	37.8	21.8	18.8
250	17.3	31.1	38.3	536.5	36.3	19.8	16.8
300	16.8	34.3	37.1	536.1	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	31.8	13.8	10.8

Ordering Information:

Part Number	Description
NEW-980787X-LSZH	Newlink S/FTP 4-pair Cat 6A Outdoor UV LSZH Gray