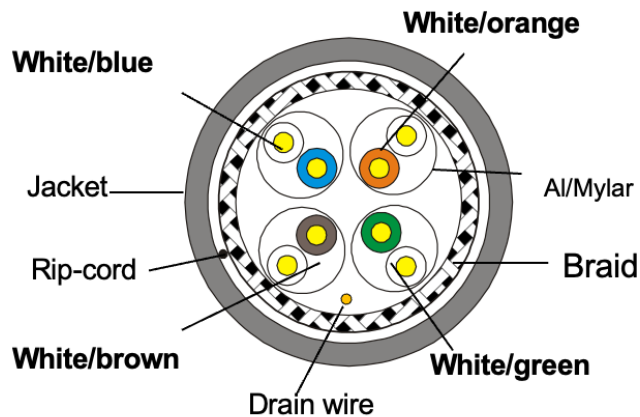


Newlink F/STP 4-pair Cat 7 CM Gray



Construction:

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 ± 0.05mm		
Inner Screening Material	Al/Mylar	Drain wire: Yes		
Outer Screening Material	Aluminum-magnesium alloy	Coverage	≥30%	
Sheath	Thickness	0.55±0.05mm		
	External O.D.	7.6±0.5mm		
	Surface	Clean, Frap, Satiation		
	Material	PVC (complies with RoHS), CM		
	Color	Gray		
Surface Printing	Letter Height	3.0± 0.3mm		
	Color	Black		
	Print error & space	≤±0.5%, 1m		
Core Color	1 White/Blue	2 White/Orange		
	3 White/Green	4 White/Brown		
Length	305 ± 1.0m			
Packing	Drum			
Rip-cord	Yes			
Standards	ISO/IEC 61156-5; EN 50288-4			

Sheath Physical Properties	Before aging Tensile Strength (Mpa) ≥ 13.5 Elongation (%) ≥ 150
	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) ≥ 12.5 Elongation (%) ≥ 125
	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 – 100.0 MHz): $100 \pm 15\Omega$ (100 – 250MHz): $100 \pm 18\Omega$ (250.0 – 600.0 MHz) $100 \pm 25\Omega$
	Delay Skew (ns/100m) ≤ 25
	Velocity of propagation (%): 74
	Unbalanced to ground capacitance (pf/100m) max: 330
	DC Resistance ($\Omega /100\text{m}$) max 9.38
	DC Conductor Resistance Unbalance (%) max 2.0

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	--	78.0	570.0	75.0	78.0	75.0
4.0	23.0	3.74	78.0	552.0	75.0	78.0	75.0
8.0	24.5	5.24	78.0	546.7	75.0	75.9	72.9
10.0	25.0	5.86	78.0	545.4	75.0	74.0	71.0
16.0	25.0	7.41	78.0	543.0	75.0	69.9	66.9
20.0	25.0	8.29	78.0	542.0	75.0	68.0	65.0
25.0	24.3	9.29	78.0	541.2	75.0	66.0	63.0
31.25	23.6	10.41	78.0	540.4	75.0	64.1	61.1
62.5	21.5	14.88	75.5	538.6	72.5	58.1	55.1
100	20.1	19.02	72.4	537.6	69.4	54.0	51.0
150	18.9	23.56	69.8	536.9	66.8	50.2	47.2
200	18.0	27.47	67.9	536.5	64.9	48.0	45.0
250	17.3	30.97	66.4	536.3	63.4	46.0	43.0
300	17.3	34.19	65.2	536.1	62.2	44.5	41.5
600	17.3	50.10	60.7	535.5	57.7	38.4	35.4

Ordering Information:

Part number	Description
NEW-9877701	Newlink F/STP 4-pair Cat 7 CM Gray