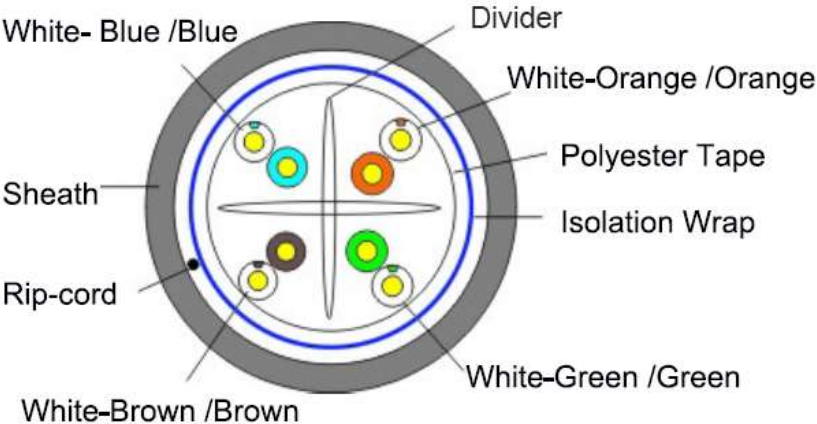


***Newlink U/UTP Cat 6A CM PVC 1,000ft Blue***



**Cable construction**

<b>Conductor</b>	Material:	Solid Bare Copper		
	Nom. O.D. (mm)	0.565	Up down	+0.005 -0.005
<b>Insulation</b>	Material	HDPE		
	Diameter	1.12 ± 0.05mm		
<b>Wrapping</b>	Polyester Tape + Isolation Wrap			
<b>Jacket</b>	Thickness	0.55 ± 0.05mm		
	External O.D.	7.2 ± 0.05mm		
	Surface	Clean, Frap, Satiation		
	Material	PVC (Complies RoHS) CM		
	Color	Blue		
<b>Surface Printing</b>	Letter height	3.0 ± 0.03mm		
	Color	Black		
	Print error & space	≤± 0.5% 1m		
<b>Core color</b>	1 White – Blue/Blue	2 White – Orange/Orange		
	3 White – Green/Green	4 White – Brown/Brown		
<b>Length</b>	305 ± 1.5m			
<b>Physical Properties</b>	Before aging Tensile Strength (Mpa) ≥ 13.5			
	Elongation (%) ≥ 150			
	Aging Period (°C x hrs) 100°C 24h x 7d			

	After aging Tensile Strength (Mpa) $\geq 12.5$ Elongation (%) $\geq 125$
	Cold Bend (-20 $\pm$ 2°C x 4h) 8 x Cable OD, no visible cracks
<b>Electrical Characteristics (20°C)</b>	Impedance ( $\Omega$ ) 1.0 – 250.0 MHz 100 $\pm$ 15 250.0 – 500.0 MHz 100 $\pm$ 22
	1.0 – 500.0MHz Delay Skew (ns/100m) $\leq$
	DC Resistance ( $\Omega$ /100m) max 9.38
	DC Conductor Resistance Unbalance (%) max 5.0
<b>Standards</b>	ISO/IEC 11801, ANSI/TIA-568-C.2

#### Technical Performance (100m)

Frequency (MHz)	Return $\geq$ dB	ATT $\leq$ dB	NEXT $\geq$ dB	PSNEXT $\geq$ dB	ELFEXT $\geq$ dB	PSELFEXT $\geq$ dB	PSANEXT $\geq$ dB	PSAACRF $\geq$ Db
1	20.0	--	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
8.0	24.5	5.3	60.8	58.8	49.7	46.7	67.0	60.1
10.0	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
25.0	24.3	9.4	53.3	51.3	39.8	36.8	67.0	50.2
31.25	23.6	10.5	51.9	49.9	37.9	24.9	67.0	48.3
62.5	21.5	15.0	47.4	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.8	24.9	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	37.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

#### Ordering Information:

Part number	Description
NEW-9807322	Newlink U/UTP Cat 6A CM PVC 1,000ft Blue