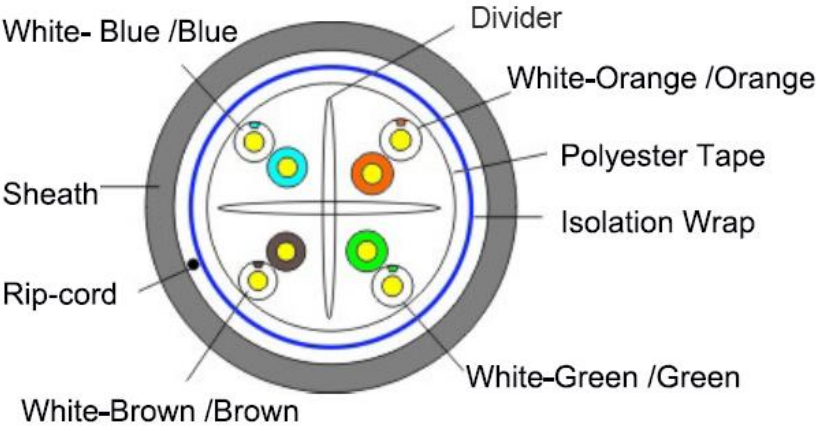


### Newlink U/UTP Cat 6A CM PVC 1,000ft Blue



#### Cable construction

<b>Conductor</b>	Material:	Solid Bare Copper		
	Nom. O.D. (mm)	0.565	Up down	+0.005 -0.005
<b>Insulation 1</b>	Material	PE		
	Diameter	1.12 ± 0.05mm		
<b>Insulation 2</b>	Material	PE		
	Diameter	1.16 ± 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>Packing</b>	Drum			

<b>Rip-cord</b>	Yes
<b>Drain Wire</b>	No
<b>Physical Properties</b>	<p>Before aging Tensile Strength (Mpa) <math>\geq 13.5</math> Elongation (%) <math>\geq 150</math></p> <p>Aging Period (<math>^{\circ}\text{C} \times \text{hrs}</math>) <math>100^{\circ}\text{C} \ 24\text{h} \times 7\text{d}</math></p> <p>After aging Tensile Strength (Mpa) <math>\geq 12.5</math> Elongation (%) <math>\geq 125</math></p> <p>Cold Bend (<math>-20 \pm 2^{\circ}\text{C} \times 4\text{h}</math>) <math>8 \times \text{Cable OD}</math>, no visible cracks</p>
<b>Electrical Characteristics (20°C)</b>	<p>Impedance (<math>\Omega</math>) 1.0 – 250.0 MHz <math>100 \pm 15</math> 250.0 – 500.0 MHz <math>100 \pm 22</math></p> <p>1.0 – 500.0MHz Delay Skew (ns/100m) <math>\leq 45</math></p> <p>DC Resistance (<math>\Omega / 100\text{m}</math>) max 9.38</p> <p>DC Conductor Resistance Unbalance (%) max 5.0</p>
<b>Standards</b>	ISO/IEC 11801, ANSI/TIA-568-C.2

#### Technical Performance (100m)

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

**Ordering Information:**

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