



### Outdoor Anti-UV CMX CAT-5E 24AWG 4-pair UTP Cable

#### Features:

- Outdoor Applications
- Cat-5E 4-pair
- Anti-UV PVC (CMX) Jacket
- Insulation Material: HD-PE (stronger intermolecular force and tensile strength than LLDPE)
- Conductor: Bare Copper 24AWG
- No gel = No mess

<b>Conductor</b>	<b>Material</b>	<b>Bare Copper</b>
	Construction	1/0.49 ± 0.01
	Size	24AWG
<b>Insulation</b>	Material	HD-PE
	Thickness	MIN at any point: 0.19mm MAX AVG:0.21 mm
	Diameter	0.90 ± 0.02
	Colors	Blue / White-Blue
		Orange / White-Orange
		Green / White-Green
Brown / White-Brown		
Elongation	Min. 300%	
Tensile Strength	Min. 1.682Kg/mm <sup>2</sup>	
<b>Jacket</b>	Material	Anti-UV PVC (CMX) The jacket material of regular cable is simple PVC (Polyvinylchloride). PVC will degrade in UV light (sunlight) and becomes brittle with dramatic changes in temperature. You may get through a season or two with a normal cable, but eventually it will fail. Make sure you use UV resistant PVC for Outdoor installations
	Thickness	Min: 0.43mm

	Max: 0.48mm Avg: 0.455mm
Diameter	5.0 ± 0.2
Colors	Black
<b>Standards:</b>	ANSI/EIA/TIA 568-C.2 & ISO/IEC 11801. UL 568.C.2 - Local Area Network Cable Verified for Transmission Performance, UL ANSI 444 - Communication Cables

### Electrical Characteristics:

<b>1. Conductor Resistance</b>						<b>MAX 9.38 Ω/100m at 20°</b>					
2. Resistance Unbalance						MAX 3%					
3. Capacitance Unbalance						MAX 330pF/100m					
4. Mutual Capacitance						MAX 560pF/100m					
5. Premise Cable Electrical Table						TIA Cat-5E Perm. Link					
Length	Prop. Delay	Delay Skew	Freq.	Insertion Loss	NEXT	RL	ACR-N	ACR-F	PS NEXT	PS ACR-N	PS ACR-F
Max.	nS	nS	MHz	dB	dB	dB	dB	dB	dB	dB	dB
90m	498	44	1	3	60.0	19.0	57.0	58.6	57.0	54.0	55.6
			4	3.9	54.8	19.0	50.9	46.6	51.8	47.9	43.6
			8	5.5	50.0	19.0	44.5	40.6	47.0	41.5	37.6
			10	6.2	48.5	19.0	42.3	38.6	45.5	39.3	35.6
			16	7.9	45.2	19.0	37.3	34.5	42.2	34.3	31.5
			20	8.9	43.7	19.0	34.8	32.6	40.7	31.8	29.6
			25	10	42.1	18.0	32.1	30.7	39.1	29.1	27.7
			31.25	11.2	40.5	17.1	29.3	28.7	37.5	26.3	25.7
			62.5	16.2	35.7	14.1	19.4	22.7	32.7	16.4	19.7
100	21	32.3	12.0	11.3	18.6	29.3	8.3	15.6			

**Note:** Your typical consumer LAN uses 10Base-T signaling over a Category 3, 4 or 5 twisted-pair cable. The 10BASE-T transmitter output voltage specified in the standard (IEEE 802.3-2005 14.3.1.2.1) requires a peak differential voltage of 2.2 to 2.8 V into a 100-Ohm resistive load. There are IEEE technical discussions (March 2007) about reducing it to below 2 volts, perhaps using a "negotiation" protocol for devices on the LAN to choose a lower voltage if they are capable.

# NEWLINK

## Cabling Systems

***NEW-9805361***

**Ordering Information:**

Part Number	Description
NEW-9805361	Outdoor Anti-UV CMX CAT-5E 24AWG 4-pair UTP Cable 1000ft, Black