

# W-CAT6/CMP/Black UL



## UTP PLENUM NETWORK CABLE



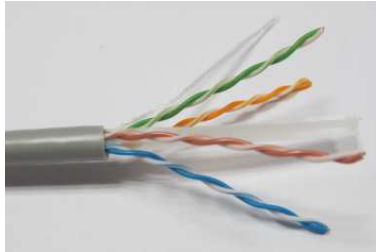
**Unshielded Twisted Pairs - 4 Pairs, 23AWG**

**Category 6 Cable, according to UL 444 and CSA C22.2 No. 214 communication cable standard**

W-CAT6/CMP/Black UL cable intended for use within buildings in ducts or plenums or other spaces used for environmental air in accordance with Section 800.154(A) of the NEC. This cable exhibits a maximum peak optical density of 0.5, a maximum average optical density of 0.15, and a maximum flame spread distance of 5 ft, when tested per ANSI/NFPA 262, "Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces."

### Cable Construction:

Conductor: 23AWG (1/0.56mm) Pure Copper Insulation: HDPE  
0.96mm  
Nos of Twisted Pairs: 4 Pairs  
Separator: Polyolefin Tape  
Filler: Rip Cord  
Jacket: CMP Grade signifies cable that has passed stringent burn testing and is suitable for installation into Air Plenum spaces. Overall Diameter: 0.240" (6.0±0.1 mm)



### Cable Marking:

CMP mark, Cable Network Cable UTP CAT6 4 Pairs 23AWG Solid Pure Copper  
0001FT \*Or based on customers request.

### Applications:

Suitable for installation into Air Plenum spaces  
Surveillance Cameras

### Packing Length:

1. 100M, 305M Pull Box
2. 500FT, 1000FT Pull Box

### Reference Standards:

1. TIA/EIA-568-B.2
2. RoHS Compliant
3. Certificate Number -on file
4. Report Reference -on file

### Electrical Characteristic:

Conductor DC Resistance (Max): 28.6 ohms/1000ft at 20°C  
Insulation Resistance (Min): 500 Megohms/1000ft at 20°C  
Mutual Capacitance: 15 pF/ft Operating Voltage: 300V  
Operating Temperature: rated 60C or 75C  
Nominal Velocity of Propagation: 70%

### Insulation Colors:

1. Orange, White/Orange
2. Blue, White/Blue
3. Green, White/Green
4. Brown, White/Brown

### Typical Performance:

TYPE	1*	4	10	16	31.2	62.5	100	155	200	250	300	MHz
Attenuation	1.65	3.8	5.6	7	10.2	14.9	19.2	24.3	27.5	31	33	dB/100m
NEXT	85	75	70	66	62	58	55	52	50	49	48	
PS NEXT	82	72	67	63	59	55	52	49	47	46	45	
ACR	82	71	64	59	52	43	36	28	22	18	15	
PS ACR	79	68	61	56	49	40	33	25	19	15	12	
ACR-F	80	72	65	59	53	45	43	41	40	37	32	
PS ACR-F	77	69	62	56	50	42	40	38	37	34	29	
Return Loss	25	28	30	30	28	27	26	25	25	25	25	