

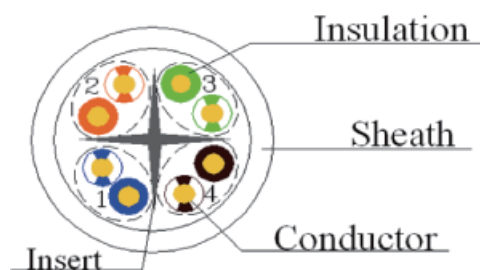
Cat.6 UTP CMR Cable (ETL Version)

Applicable Standards

ETL Verified to TIA/EIA 568-C.2
 ROHS Compliant
 ATM 155 Mbps
 Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)

Physical Characteristics

Number of Conductor Pairs: 4
 Size: 23 AWG
 Conductor Diameter: 0.56 mm
 Conductor Material: Bare Copper
 Shield Material: Unshielded
 Rip Cord: Optional
 Insulation Material: HDPE
 Insulation Overall Diameter: 1.011 mm
 Insulation Average Thickness: 0.257 mm
 Jacket: PVC
 Jacket Average Wall Thickness: Nominal: 0.5 mm
 Outer Jacket Nom. O.D.: 6.1 mm



Mechanical Characteristics

Maximum Conductor DC Resistance @ 20°C: $\leq 9.5 \Omega / 100$ Meters
 Maximum DC Resistance Unbalanced @ 20°C: $\leq 2.5\%$
 Maximum Pair-to-Pair Ground Capacitance Unbalanced: $\leq 330\text{pF} / 100$ Meters
 Characteristic Impedance (1 ~ 100 MHz): $100 \pm 15 \Omega$
 Mutual Capacitance: $\leq 56 \text{ nF} / \text{km} @ 1\text{kHz}$
 Maximum Delay Skew: $\leq 45 \text{ nS} / 100$ Meters

Electrical Characteristics

Installation Operating Temperature: -20°C to $+75^\circ\text{C}$
 Before Aging Tensile Strength of Sheath $> = 9.0 \text{ Mpa}$
 Elongation of Sheath $> = 100\%$
 Aging Condition: $100^\circ\text{C} \times 168$ hours
 After Aging Tensile Strength of Sheath $> = 70\%$ of unaged
 Elongation of Sheath $> = 50\%$ of unaged
 Elongation of Insulation: $\geq 300\%$
 Insulation Resistance: Min. $5000\text{M} \Omega/\text{KM}$

Ordering Information

100960XX Category 6 4pair Indoor Use Cable

Marking: CAT.6 UTP INSTALLATION ETL VERIFIED TO ANSI/TIA-568-C.2 ▲ 23AWG X 4P CMR [XXXXFT]

XX=BK(Black) BL(Blue) GN(Green) GY(Gray) OR(Orange) RD(Red) PU(Purple) WT(White)
 YW(Yellow) IV(Ivory)

Electrical Performance

Freq	Attenuation	Return Loss	NEXT	PS NEXT
(MHz)	(dB/100m)	(dB)	(dB)	(dB)
	Max.	Min.	Min.	Min.
1	2.0	20	74.3	72.3
4	3.8	23	65.3	63.3
10	6.0	25	59.3	57.3
16	7.6	25	56.2	54.2
20	8.5	25	54.8	52.8
25	10.7	23.6	51.9	49.9
31.25	19.8	20.1	44.3	42.3
62.5	29.0	18	39.8	37.8
100.0	32.8	17.3	38.3	36.3

