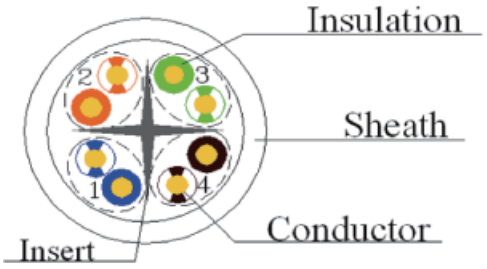
Cat.6E UTP CMR Cable (ETL Version)

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: ≤9.5 Ω / 100 Meters
Maximum DC Resistance Unbalanced @ 20°C: ≤2.5%
Maximum Pair-to-Pair Ground Capacitance Unbalanced: ≤330pF / 100 Meters
Characteristic Impedance (1 ~ 100 MHz): 100±15Ω
Mutual Capacitance: ≤56 nF / km@1kHz
Maximum Delay Skew: ≤45 nS / 100 Meters

Electrical Characteristics

Installation Operating Temperature: -20°C to + 75°C
Before Aging Tensile Strenth of Sheath > = 9.0 Mpa
Elongation of Sheath > = 100%
Aging Condition: 100°C x 168 hours
After Aging Tensile Strenth of Sheath: > = 70% of unaged
Elongation of Sheath: > = 50% of unaged
Elongation of Insulation: ≥300%
Insulation Resistance: Min. 5000M Ω/KM

Ordering Information

Part # QT-C6E-UR-1000-XX Category 6E 4pair Indoor Use Cable

Marking: CAT.6E 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