

DEXTEAR

CAT6 U/UTP 24AWG 4 Pair Copper Lan Cable
Part No: DXR1006PC-WH

Application

IEEE 802.3:1000BASE-T,100BASE-TX,10BASE-T

IEEE 6/4 :802.5Mbps Token Ring

ANSI X1000 :3.263 Mb/s

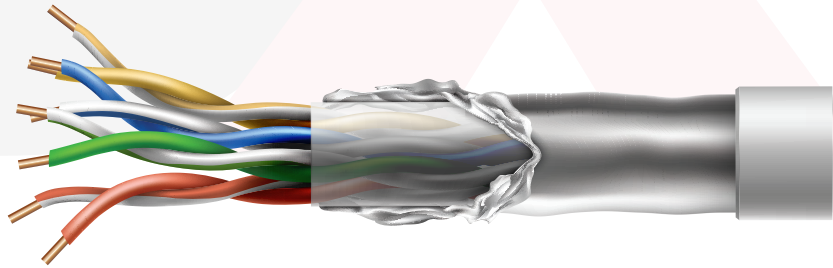
Gigabit Ethernet

Standard Compliance

TIA /EIA-568-B.1- 2

ISO/IEC 11801

EN50173



Construction Characteristics

Conductor	Material	BC
	AWG	24
	Diameter(±0.01mm)	0.51
Insulation	Material	HD-PE
	Average Thickness(mm)	0.22
	Diameter(±0.01mm)	0.97
	Min. Point Thickness(mm)	0.20
Jacket	Material	PVC
	Outer Diameter(±0.2mm)	5.9
	Min Thickness(±0.1mm)	0.55
	AVG.Thickness(mm)	0.60
	Rip Cord	Nylon
	Color	Blue Ral, 5015



Physical & Electrical Properties

Impedance(ohms): 15 ± 100

Rated Temperature°C: 75

Delay Skew(ns/100m): <=45

DC Resistance 20°C: 9.8

Insulation Resistance: >5000M.Ω*Km

Dielectric Strength: DC 2500V 2S

Pair-to-Ground Capacitance Unbalance (pF/100m): <=330

Max. Conductor DC Resistance 20°C(ohms/km): 72.2

Resistance Unbalance (%) : <=5

● Mechanical Characteristics

Test Object: Jacket

Test Material: PVC

Before Tensile Strength (Mpa): ≥ 13.8

Aging Elongation (%): ≥ 100

Aging Condition ($^{\circ}\text{C}\times\text{hrs}$): 168×100

After Tensile Strength (Mpa): $\geq 85\%$ of unaged

Aging Elongation (%): $\geq 50\%$ of unaged

Cold Bend ($-2\pm 20^{\circ}\text{C}\times 4\text{hrs}$):

Bending Radius: $\geq 4\times\text{OD}$ (without load)

Temperature Range: $-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$ during operation: $-20^{\circ}\text{C} - 75^{\circ}\text{C}$

during installation: $-0^{\circ}\text{C} - -60^{\circ}\text{C}$ Voltage Rating: 30V

● Performance

FREQUENCY	RETURN LOSS	ATTENUATION	NEXT	PSNEXT	ELFEXT	PSELFEXT	DELAY MAX
(MHz)	(Min dB)	Max (dB/100m)	(Min dB)	(Min dB)	Min (dB/100m)	Min (dB/100m)	(ns/100m)
1	20.0	2.0	65.3	62.3	63.8	60.8	570.0
4	23.0	4.1	56.3	53.3	51.7	48.7	552.0
8	24.5	5.8	51.8	48.8	45.7	42.7	546.7
16	26.0	8.2	47.3	44.3	39.7	36.7	543.0
20	26.5	9.3	45.8	42.8	37.7	34.7	542.0
62.5	25.0	17.0	38.4	35.4	27.8	24.8	538.6
100	25.0	17.0	38.4	32.3	23.8	20.8	537.6
200	18.0	32.4	30.8	27.8	17.7	14.7	536.5
250	17.3	36.9	29.3	26.3	15.8	12.8	536.3

● Packing



DEX TEAR

