

# DEXTEAR

CAT6 U/UTP 24AWG 4 Pair Copper Lan Cable  
Part No: DXR6PPC1M-WH/DXR6PPC3M-WH

## Application

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

IEEE 802.5: 4/6Mbps Token Ring

ANSI X3.263: 1000Mb/s

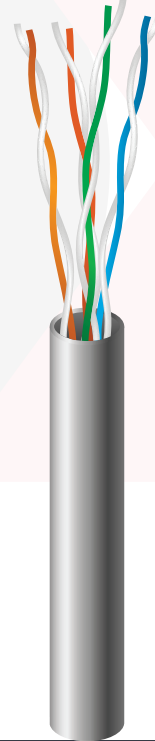
Gigabit Ethernet

## Standard Compliance

TIA/EIA-568-B.2-1


ISO/IEC 11801

EN50173



## Construction Characteristics

<b>Conductor</b>	Material	BC
	AWG	26
	Diameter(±0.01mm)	7*2*4 (0.16)
<b>Insulation</b>	Material	HD-PE
	Average Thickness(mm)	0.22
	Diameter(±0.01mm)	0.95
	Min. Point Thickness(mm)	0.20
<b>Jacket</b>	Material	PVC
	Outer Diameter(±0.2mm)	5.6
	Min Thickness(±0.1mm)	0.55
	AVG.Thickness(mm)	0.60
	Rip Cord	Nylon
	Color	Blue Ral, 5015



## Physical & Electrical Properties

Impedance(ohms): 100 ± 15

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):  $\geq 13.8$

Aging Elongation (%):  $\geq 100$

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

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

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

Cold Bend ( $-2\pm 20^{\circ}\text{C}\times 4\text{hrs}$ ): No Crack

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

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

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

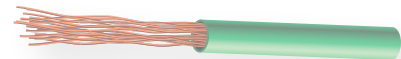
during installation:  $-0^{\circ}\text{C} \sim -60^{\circ}\text{C}$

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



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