



## PRODUCT SPECIFICATIONS

<b>Description:</b>	Unshielded four twisted pair Category 5e Enhanced Horizontal Cable with a polyethylene jacket. Suitable for outdoor use.
<b>Standards:</b>	ANSI/TIA/EIA 568B.2.1 Category 5e Swept to 350 MHz, RoHS Compliant
<b>Applications:</b>	Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited as 622 ATM. Wideband, and Ethernet 1000BASE-T.

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### CONSTRUCTION

<b>Conductor:</b>	24 AWG Solid Bare Copper
<b>Number of Conductors or Pairs:</b>	4 Pair
<b>Jacket Material:</b>	Polyethylene
<b>Nominal Overall Cable Diameter:</b>	0.185 inch (4.699 mm)
<b>Approximate Cable Weight:</b>	20 lb/1,000 ft.

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### ELECTRICAL & PHYSICAL PROPERTIES

<b>Temperature Rating:</b>	Installation: 0°C to 50°C Operation: -60°C to 60°C
<b>Velocity of Propagation:</b>	70%
<b>Mutual Capacitance:</b>	14 pF/ft Nominal
<b>Capacitance Unbalance:</b>	330 pF/ft maximum
<b>Maximum Conductor D.C.R.:</b>	28.6Ω/1,000 ft
<b>Maximum D.C.R. Unbalance:</b>	3%
<b>Maximum Delay Skew:</b>	15.0ns/100m
<b>Maximum Propagation Delay Skew:</b>	5.7ns/100m
<b>Characteristic Impedance:</b>	From 0.772 MHz — 100 MHz 100 ± 15% From 100 MHz — 250 MHz 100 ± 22% From 201 MHz—350 MHz 100 ± 32%
<b>Maximum Installing Tension:</b>	25 lb
<b>Minimum Bending Radius:</b>	1.0 inch
<b>Insulation Colors:</b>	Blue paired with White/Blue Orange paired with White/Orange Brown paired with White/Brown Green paired with White/Green
<b>Jacket Color:</b>	Black

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### ELECTRICAL CHARACTERISTICS

<u>Frequency</u>	<u>SRL</u>	<u>Return Loss</u>	<u>Attenuation</u>	<u>PS-NEXT</u>	<u>NEXT</u>	<u>ELFEXT</u>	<u>PS-ELFEXT</u>
<u>MHz</u>	<u>dB</u>	<u>dB</u>	<u>dB (100m)</u>	<u>dB</u>	<u>dB</u>	<u>dB</u>	<u>dB</u>
	<u>Minimum</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Minimum</u>	<u>Minimum</u>	<u>Minimum</u>
1	23.0	20.0	2.0	68.3	70.3	63.8	60.8
4	23.0	20.3	4.0	59.3	61.3	51.7	48.7
10	23.0	25.0	6.4	53.3	55.3	43.8	40.8
16	23.0	25.0	8.2	50.3	52.3	39.7	36.7
20	23.0	25.0	9.2	48.8	50.8	37.7	34.7
31.25	21.5	23.6	11.7	45.9	47.9	33.9	30.9
62.5	18.1	21.5	16.9	41.4	43.4	27.8	24.8
100	16.0	20.1	21.9	38.3	40.3	23.8	20.8
250	12.0	17.3	36.8	32.3	34.3	15.8	12.8
300	11.2	16.8	40.9	31.2	33.2	14.2	11.2
350	10.6	16.3	44.8	30.2	32.2	12.9	9.9