

PRODUCT SPECIFICATIONS

CONVERGENT CONNECTIVITY TECHNOLOGY

CAT5ESNP4DB

Shielded four twisted pair Category 5e 350 MHz Horizontal Cable with a PVC inner **Description:**

jacket, shielded, and a polyethylene outer jacket. Suitable for Outdoor Us

Non-Listed **Standards/Listings:**

Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG **Applications:**

and 155 ATM. Particularly suited as 622 ATM. Wideband, and Ethernet 10000 BASE-T.

CONSTRUCTION

Conductor:

Number of Conductors or Pairs:

Inner Jacket Material:

Shield:

Drain:

Outer Jacket Material:

Nominal Overall Cable Diameter:

Approximate Cable Weight:

Solid Bare Copper

4 Pair

Polyvinyl Chloride

Aluminum/Polyester Tape applied over inner jacket

Solid Tin Copper

Polyethylene

0.255 inch (6.477 mm)

33 lb/1,000 ft.

ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating:

Velocity of Propagation:

Mutual Capacitance:

Capacitance Unbalance:

Maximum Conductor Q.C.R.

Maximum D. C.R. Unbalance:

Maximum Delay Skew:

Maximum Propagation Delay Skew:

Characteristic Impedance:

Maximum Installing Tension:

Minimum Bending Radius:

Insulation Colors:

FAX: 845-651-3564

Installation: 0°C to +50°C Operation: -60°C to +60°C

70%

14 pF/ft Nominal

330 pF/ft maximum

 $28.6\Omega/1,000 \text{ ft}$

5%

45.0ns/100m

5.7ns/100m

 $100 \pm 15\%$ From 0.772 MHz — 100 MHz From 101 MHz — 250 MHz $100 \pm 22\%$ From 251 MHz-350 MHz

 $100 \pm 32\%$

25 lb

2.0 inch

Blue paired with White/Blue Orange paired with White/Orange Brown paired with White/Brown

Green paired with White/Green

Issue Date: February '11 Revision: 0

THE STRONGEST LINK IN YOUR SUPPLY CHAIN

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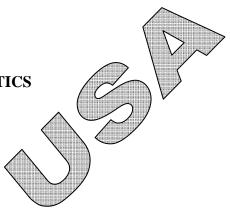
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ELECTRICAL CHARACTERISTICS



Frequency	SRL	Return Loss	Attenuation	PS-NEXT	<u>NEXT</u>	ELFEXT	PS-ELFEXT
MHz	<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	88,3	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	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	50.3	52.3	39.7	36.7
20	23.0	25.0	92	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	77.3	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	106	16.3	44.8	30.2	32.2	12.9	9.9

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