

PRODUCT SPECIFICATIONS

CONVERGENT CONNECTIVITY TECHNOLOGY

CAT5ESLSZH

Four twisted pair Category 5e Horizontal Cable shielded with an overall Low Smoke **Description:**

Zero Halogen outer jacket. Swept to 350 MHz

ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 5e, ISO/IEC \\801 **Standards/Listings:**

Category 5e, NEC Article 800, UL Subject 444, C(ETL)US, UL 1685 CMGAS Rating

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

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

For use in Shipboard applications.

CONSTRUCTION

Conductor:

Number of Conductors or Pairs:

Core Wrap:

Shield:

Drain:

Outer Jacket Material:

Nominal Overall Cable Diameter:

Approximate Cable Weight:

WG Solid Bare Copper

4 Pair

Mylar Tape (100% Coverage)

Aluminum/Polyester Tape (100% Coverage)

Solid Tin Copper

Low Smoke Zero Halogen

0.260 inch (6.604 mm)

33 lb/1,000 ft.

ELECTRICAL & PHYSICAL PROPERTIES

Installation: -20°C to +60°C **Temperature Rating:** Operation: -20°C to +60°C

Velocity of Propagation: 70%

Mutual Capacitance: 14 pF/ft Nominal Capacitance Unbalance: 330 pF/ft maximum

Maximum Conductor D.C.R. $28.6\Omega/1,000 \text{ ft}$

Maximum D.C.R. Unbalance:

Maximum Delay Skew: 45.0ns/100m

Maximum Propagation Delay Skew: 5.7ns/100m

Characteristic Impedance: $100 \pm 15\%$ From 0.772 MHz — 100 MHz From 101 MHz — 250 MHz $100 \pm 22\%$ From 251 MHz-350 MHz $100 \pm 32\%$

Maximum Installing Tension: 25 lb

Minimum Bending Radius: 2.0 inch

Blue paired with White/Blue **Insulation Colors:**

Orange paired with White/Orange Brown paired with White/Brown Green paired with White/Green

Issue Date: August '13 Revision: 0

THE STRONGEST LINK IN YOUR SUPPLY CHAIN

Page 1 of 2 PHONE: 866-905-6744 **PO BOX 454** FAX: 845-651-3564

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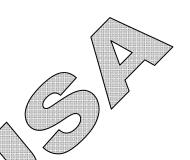


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ELECTRICAL CHARACTERISTICS



<u>Frequency</u>	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	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	2.2	48.8	50.8	37.7	34.7
31.25	21.5	23.6	117	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	[7,3]	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) 6.3	44.8	30.2	32.2	12.9	9.9

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