Cat 5E 25 Pair U/UTP LSZH Cable

Eland Product Group: A8N

APPLICATION
High performance 25 pair LSZH backbone cable suitable for 100Base-T, Gigabit Ethernet, 155 Mbps ATM, TP-PMD audio, multimedia and telephone networks.

CHARACTERISTICS
Temperature Rating
Fixed: -20°C to +60°C

Minimum Bending Radius
Full load: 20 x overall diameter
No load: 15 x overall diameter

CONSTRUCTION
Conductor
Class 1 solid copper conductor

Insulation
HDPE (High Density Polyethylene)

Filler
PE (Polyethylene) filler core

Separator
Mylar tape

Sheath
LSZH (Low Smoke Zero Halogen)

Core Identification
Pair 1: White/Blue Blue/White
Pair 2: White/Orange Orange/White
Pair 3: White/Green Green/White
Pair 4: White/Brown Brown/White
Pair 5: White/Grey Grey/White
Pair 6: Red/Blue Blue/Red
Pair 7: Red/Orange Orange/Red
Pair 8: Red/Green Green/Red
Pair 9: Red/Brown Brown/Red
Pair 10: Red/Grey Grey/Red
Pair 11: Black/Blue Blue/Black
Pair 12: Black/Orange Orange/Black

Sheath Colour
• Grey

STANDARDS
ISO / IEC 11801, TIA 568-B.2-1

ISO/IEC 17025 LABORATORY TESTED
This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.

REGULATORY COMPLIANCE
This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.
DIMENSIONS

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF PAIRS</th>
<th>NOMINAL DIAMETER OF CONDUCTOR</th>
<th>NOMINAL THICKNESS OF PAIR INSULATION</th>
<th>NOMINAL OVERALL DIAMETER</th>
<th>NOMINAL WEIGHT</th>
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<tbody>
<tr>
<td>A8NCAT5E25PRLS</td>
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<td>0.51</td>
<td>0.91</td>
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PERFORMANCE CHARACTERISTICS

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<tr>
<th>FREQUENCY MHz</th>
<th>ATTENUATION dB/100m</th>
<th>NEXT dB</th>
<th>PS-NEXT dB</th>
<th>RL dB</th>
<th>ELFEXT dB</th>
<th>PS-ELFEXT dB/100m</th>
<th>PHASE DELAY ns</th>
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ELECTRICAL CHARACTERISTICS

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<thead>
<tr>
<th>IMPEDANCE (1-100MHz) ohms</th>
<th>MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20ºC ohms/km</th>
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<tr>
<td>100±15</td>
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The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.