# CAT6 LSZH LAN Cable
Cut-to-Length in 1m Multiples

![Image of CAT6 LSZH LAN Cable]

## Specifications:

**Designed of cable**
- Inner conductor: Single Bare Copper (0.553mm ±0.01mm)
- Insulation: HDPE
- Insulation Dia.: 1mm ±0.05mm
- Core colour: White-Blue; White-Orange; White-Green & White-Brown
- Drain Wire: 0.4 ±0.01mm Tinned Copper
- Jacket Material: LSOH
- Colour: Purple
- Size: 6.3mm ±0.2mm
- Wall thickness: 0.6mm

**Electric data at 20°C**
- Conductor resistance: ≤70Ω/kM
- Insulation resistance: ≥5,000M Ω × kM
- Testing voltage: wire/wire 50Hz 1min=1.5kV
- Permissible temperature: -10°C to 60°C

## Other Electric data:

<table>
<thead>
<tr>
<th>Frequency (Mhz)</th>
<th>Impedance (Ω)</th>
<th>RL (dB/100M)</th>
<th>Att (dB/100M)</th>
<th>NEXT (dB/100M)</th>
<th>ELFEXT (dB/100M)</th>
<th>PSNEXT (dB/100M)</th>
<th>PSELFEXT (dB/100M)</th>
<th>SKW (ns/100M)</th>
<th>NVP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100 ±15</td>
<td>20</td>
<td>2.03</td>
<td>74.3</td>
<td>68</td>
<td>72.3</td>
<td>65</td>
<td>≤45</td>
<td>66%</td>
</tr>
<tr>
<td>4</td>
<td>23</td>
<td>3.7</td>
<td>65</td>
<td>56</td>
<td>63.3</td>
<td>53</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>24.5</td>
<td>5.3</td>
<td>60.7</td>
<td>49.9</td>
<td>48.8</td>
<td>46.9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>25</td>
<td>5.9</td>
<td>59</td>
<td>48</td>
<td>57.3</td>
<td>45</td>
<td></td>
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</tr>
<tr>
<td>16</td>
<td>25</td>
<td>7.5</td>
<td>56</td>
<td>43.9</td>
<td>54.2</td>
<td>40.9</td>
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<tr>
<td>20</td>
<td>25</td>
<td>8.4</td>
<td>55</td>
<td>42</td>
<td>52.8</td>
<td>39</td>
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<tr>
<td>25</td>
<td>24.3</td>
<td>9.5</td>
<td>53.3</td>
<td>40</td>
<td>41.3</td>
<td>37</td>
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<td>31.25</td>
<td>23.6</td>
<td>10.6</td>
<td>52</td>
<td>38.1</td>
<td>49.9</td>
<td>35.1</td>
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</tr>
<tr>
<td>62.5</td>
<td>21.5</td>
<td>15.4</td>
<td>47</td>
<td>32.1</td>
<td>45.4</td>
<td>29.1</td>
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<td></td>
</tr>
<tr>
<td>100</td>
<td>20.1</td>
<td>19.8</td>
<td>44</td>
<td>28</td>
<td>42.3</td>
<td>25</td>
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<tr>
<td>200</td>
<td>18</td>
<td>29</td>
<td>40</td>
<td>22</td>
<td>37.8</td>
<td>19</td>
<td></td>
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</tr>
<tr>
<td>250</td>
<td>17.3</td>
<td>32.8</td>
<td>38.3</td>
<td>20</td>
<td>36.3</td>
<td>17</td>
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</tr>
</tbody>
</table>

For frequencies 1 to 125 Mhz, the NVP is ≤45. For frequencies 125 to 200 Mhz, the NVP is ≤100.

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### Part Number Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>CAT 6 Low Smoke Zero Halogen Cable, Per Metre</td>
<td>CAT6LOWSMZH</td>
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