Technical Data Sheet

Mode Number: 13956
File Number: 2015-09-15-07

1. Name of cable: LAN Cable
2. P/N:
3. Designed of cable:
   3.1 Inner conductor: Single Bare Copper Ø0.573±0.005mm
   3.2 Insulation: HDPE
   3.3 Insulation Dia: Ø1.13±0.05mm
   3.4 Core colour: WH-BU/BU WH-OG/OG
                    WH-GN/GN WH-BN/BN
   3.5 Two wires twisted to one pair:
   3.6 Four pairs twisted to a qual:
   3.7 Filler:
   3.8 PET Overlapped:
   3.9 Drain Wire: Single Bare Copper Ø0.573±0.005mm
   3.10 AL Foil Overlapped:
   3.11 Rip wire:
4. Jacket: PVC
4.1 Colour:
4.2 Size: Ø7.3±0.2mm
4.3 Wall thickness: ≈0.7mm
4.4 Printing: By request bargain
5. Electric data at 20°C:
   5.1 Conductor resistance: ≤70.0 Ω/KM
   5.2 Insulation resistance: ≥5000M Ω*KM
   5.3 Testing voltage: wire/wire 50Hz1min=1.5KV
### 5.4 Other Electric data

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Impedance</th>
<th>RL</th>
<th>ATT</th>
<th>NEXT</th>
<th>ELFEXT</th>
<th>PSNEXT</th>
<th>PSELFEXT</th>
<th>SKW</th>
<th>NVP</th>
<th>Mhz</th>
<th>ohm</th>
<th>dB/100M</th>
<th>dB/100M</th>
<th>dB/100M</th>
<th>dB/100M</th>
<th>≤ns/100M</th>
<th>≤ns/100M</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100±15</td>
<td>20.0</td>
<td>2.03</td>
<td>74.3</td>
<td>68.0</td>
<td>72.3</td>
<td>65.0</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>23.0</td>
<td>3.7</td>
<td>65.0</td>
<td>56.0</td>
<td>63.3</td>
<td>53.0</td>
<td></td>
<td></td>
<td>4</td>
<td>2</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>8</td>
<td></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>8</td>
<td>4</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>25.0</td>
<td>5.9</td>
<td>59.0</td>
<td>48.0</td>
<td>57.3</td>
<td>45.0</td>
<td></td>
<td></td>
<td>10</td>
<td>5</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>25.0</td>
<td>7.5</td>
<td>56.0</td>
<td>43.9</td>
<td>54.2</td>
<td>40.9</td>
<td></td>
<td></td>
<td>16</td>
<td>6</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>25.0</td>
<td>8.4</td>
<td>55.0</td>
<td>42.0</td>
<td>52.8</td>
<td>39.0</td>
<td></td>
<td></td>
<td>20</td>
<td>7</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>24.3</td>
<td>9.5</td>
<td>53.3</td>
<td>40.0</td>
<td>41.3</td>
<td>37.0</td>
<td></td>
<td></td>
<td>25</td>
<td>8</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>31.25</td>
<td></td>
<td>23.6</td>
<td>10.6</td>
<td>52.0</td>
<td>38.1</td>
<td>49.9</td>
<td>35.1</td>
<td></td>
<td></td>
<td>31.25</td>
<td>9</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>62.5</td>
<td></td>
<td>21.5</td>
<td>15.4</td>
<td>47.0</td>
<td>32.1</td>
<td>45.4</td>
<td>29.1</td>
<td></td>
<td></td>
<td>62.5</td>
<td>10</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>20.1</td>
<td>19.8</td>
<td>44.0</td>
<td>28.0</td>
<td>42.3</td>
<td>25.0</td>
<td></td>
<td></td>
<td>100</td>
<td>11</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>200</td>
<td></td>
<td>18.0</td>
<td>29.0</td>
<td>40.0</td>
<td>22.0</td>
<td>37.8</td>
<td>19.0</td>
<td></td>
<td></td>
<td>200</td>
<td>12</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
<tr>
<td>250</td>
<td></td>
<td>17.3</td>
<td>32.8</td>
<td>38.3</td>
<td>20.0</td>
<td>36.3</td>
<td>17.0</td>
<td></td>
<td></td>
<td>250</td>
<td>13</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≥</td>
<td>≤</td>
<td>≤</td>
</tr>
</tbody>
</table>

### 6. Other requirement:

6.1 Permissible temperature: -10℃ ---- 60℃
6.2 Packing: 305M/Reel
6.3 Test standard: This Technical Data Sheet

Designed by Regal Wealth Engineering Ltd
2015-9-15