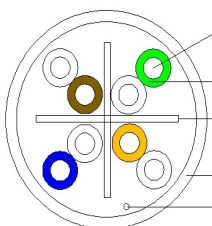


| Item NO.:21.15.1687                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    | TECHNICAL DATA SHEET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------|-------------|---------------|------------------------|---------|-------|-----------------------|-------|----|---------------------------------------|-------|----------------------|-----------------------------------------|--------------------|--------|--------------------|--|--------|----------------------------------|-------|----|
| 100Ω CAT6A U/UTP 4pairs cable category6A - 500MHz - LSZH jacket                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| <div><div><div>Copper Conductor</div><div>Insulation</div><div>Seperator</div><div>Jacket</div><div>Rip cord</div></div></div>                                                                                                                                                                                                                                                                                        |                    | <table><tr><th colspan="4">Insulation / Pairs Color</th></tr><tr><th>Pairs #</th><th>Color</th><th>Pairs #</th><th>Color</th></tr><tr><td>1</td><td>White/Blue; Blue</td><td>2</td><td>White/orange; Orange</td></tr><tr><td>3</td><td>White/Green; Green</td><td>4</td><td>White/Brown; Brown</td></tr></table>                                                                                                                                                                                                                                                                                                                                 |                      | Insulation / Pairs Color |             |               |                        | Pairs # | Color | Pairs #               | Color | 1  | White/Blue; Blue                      | 2     | White/orange; Orange | 3                                       | White/Green; Green | 4      | White/Brown; Brown |  |        |                                  |       |    |
| Insulation / Pairs Color                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| Pairs #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Color              | Pairs #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Color                |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | White/Blue; Blue   | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | White/orange; Orange |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | White/Green; Green | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | White/Brown; Brown   |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| CABLE DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| <div>1-CONDUCTOR</div> <div>TYPE:SOLID-Bare copper</div> <div>DIAMETER:0.57mm±0.005mm</div> <div>AWG:23</div> <div>2-INSULATION</div> <div>TYPE:PE</div> <div>DIAMETER:1.0mm±0.03mm</div> <div>3-SYNTHETICAL SEPARTION FOIL:</div> <div>polyester</div> <div>4-DRAIN WIRE:NO</div> <div>5-SHIELDING:NO</div> <div>6-RIP CORD</div> <div>YES</div> <div>7-OUTER JACKET</div> <div>TYPE: LSZH</div> <div>COLOUR: Grey</div> <div>THICKNESS: 0.6mm±0.05mm</div> <div>EXTERNAL DIAMETER: 6.5mm±0.3mm</div> |                    | <table><tr><th>PARAMETER</th><th>UNIT</th><th>VALUE</th></tr><tr><td>Max.linear tesistance.</td><td>Ω/km</td><td>≤80</td></tr><tr><td>Mutual capacity(nom.)</td><td>pF/m</td><td>56</td></tr><tr><td>Unbalance capacity max (p/p at 1 KHz)</td><td>pF/km</td><td>1600</td></tr><tr><td>Characteristic impedance (1 at 250 MHz)</td><td>Ω</td><td>100±15</td></tr><tr><td>(251 at 500MHz)</td><td></td><td>100±22</td></tr><tr><td>VELOCITY OF PROPAGATION (f&gt;1MHz)</td><td>%of c</td><td>66</td></tr></table> <div>Marking</div> <div>roline CAT6A U/UTP 23AWG ISO/IEC 11801 &amp; EN50173 &amp; ANSI/TIA 568C.2 LSZH 001M(001M...305M)</div> |                      | PARAMETER                | UNIT        | VALUE         | Max.linear tesistance. | Ω/km    | ≤80   | Mutual capacity(nom.) | pF/m  | 56 | Unbalance capacity max (p/p at 1 KHz) | pF/km | 1600                 | Characteristic impedance (1 at 250 MHz) | Ω                  | 100±15 | (251 at 500MHz)    |  | 100±22 | VELOCITY OF PROPAGATION (f>1MHz) | %of c | 66 |
| PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | UNIT               | VALUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| Max.linear tesistance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Ω/km               | ≤80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| Mutual capacity(nom.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | pF/m               | 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| Unbalance capacity max (p/p at 1 KHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | pF/km              | 1600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| Characteristic impedance (1 at 250 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ω                  | 100±15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| (251 at 500MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    | 100±22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| VELOCITY OF PROPAGATION (f>1MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | %of c              | 66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| ELECTRICAL CHARACTERISTICS                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| Frequency (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Return loss(dB)    | Attenuation (dB/100m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NEXT (dB)            | PSNEXT (dB)              | ELFEXT (dB) | PSELFEXT (dB) |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 23.0               | 3.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 64.1                 | 61.8                     | 56.0        | 53.0          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 24.5               | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 59.4                 | 57                       | 49.9        | 46.9          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 25.0               | 5.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 57.8                 | 55.5                     | 48.0        | 45.0          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 25                 | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 54.6                 | 52.2                     | 43.9        | 40.9          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 25                 | 7.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 53.1                 | 50.7                     | 42.0        | 39.0          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 24.3               | 8.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 51.5                 | 49.1                     | 40.0        | 37.0          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 31.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 23.6               | 9.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 50                   | 47.5                     | 38.1        | 35.1          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 62.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 21.5               | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 45.1                 | 42.7                     | 32.1        | 29.1          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20.1               | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 41.8                 | 39.3                     | 28.0        | 25.0          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 18.0               | 26.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 36.9                 | 34.3                     | 22.0        | 19.0          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 17.3               | 29.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 35.3                 | 32.7                     | 20.0        | 17.0          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 17.3               | 35.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 31.8                 | 29.1                     | 17.1        | 14.1          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 17.3               | 43.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 26.7                 | 23.8                     | 14.0        | 11.0          |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| OTHER CHARACTERISTICS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    | <div>SECOMP</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| •CPR Eca verified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| •ROHS 2.0 & REACH Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
| PACKING:305m/BOX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |                          |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      | Page 1of1                |             |               |                        |         |       |                       |       |    |                                       |       |                      |                                         |                    |        |                    |  |        |                                  |       |    |