

# TECHNICAL DATA SHEET

## U/UTP 4Pairs cable-category 6-PVC Sheath

| Content of the Data Sheet         |                                       |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|-----------------------------------|---------------------------------------|------------------------|---------------|---|------------|------------|-----------|-------------|-----------|-----------------|-------------|-------------|---------------|------------|------|------|------|------|-------|------|------|-----|------|-------|------|------|------|------|-------|------|------|------|------|-------|------|------|------|------|-------|------|------|-------|------|-------|------|------|------|------|-------|-------|------|------|------|-------|------|------|------|------|-------|------|------|------|------|-------|-----|------|------|------|-------|-----|------|------|------|-------|
| Sheath Printing                   | TBD                                   |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Customer No.                      |                                       | Customer Reference     |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Category                          | SD U/UTP CAT6-4P-PVC                  |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Reference Standard                | ISO/IEC11801、TIA-568-C.2              |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Conductor                         | Material                              | SOLID-Bare Copper      |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | Nom.O.D.(mm)                          | 0.500<br>0.510         | ±0.005        |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Insulation                        | Material                              | HDPE                   |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | Diameter                              | 0.88±0.05mm            |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Sheath                            | Thickness                             | 0.50±0.05 mm           |               | FLUKE Permanent link Technical Performance (≤85m) :<br><table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Frequency (MHz)</th> <th>RL (dB)</th> <th>ATT (dB)</th> <th>NEXT (dB)</th> <th>DELAY (ns)</th> </tr> </thead> <tbody> <tr><td>1</td><td>19.1</td><td>3.0</td><td>65.0</td><td>570.0</td></tr> <tr><td>4.0</td><td>21.0</td><td>3.5</td><td>64.1</td><td>552.0</td></tr> <tr><td>8.0</td><td>21.0</td><td>5.0</td><td>59.4</td><td>546.7</td></tr> <tr><td>10.0</td><td>21.0</td><td>5.5</td><td>57.8</td><td>545.4</td></tr> <tr><td>16.0</td><td>20.0</td><td>7.0</td><td>54.6</td><td>543.0</td></tr> <tr><td>20.0</td><td>19.5</td><td>7.9</td><td>53.1</td><td>542.1</td></tr> <tr><td>25.0</td><td>19.0</td><td>8.9</td><td>51.5</td><td>541.2</td></tr> <tr><td>31.25</td><td>18.5</td><td>10.0</td><td>50.0</td><td>540.4</td></tr> <tr><td>62.5</td><td>16.0</td><td>14.4</td><td>45.1</td><td>538.6</td></tr> <tr><td>100</td><td>14.0</td><td>18.6</td><td>41.8</td><td>537.6</td></tr> <tr><td>200</td><td>11.0</td><td>27.4</td><td>36.9</td><td>536.5</td></tr> <tr><td>250</td><td>10.0</td><td>31.1</td><td>35.3</td><td>536.3</td></tr> </tbody> </table> |            |            |           |             |           | Frequency (MHz) | RL (dB)     | ATT (dB)    | NEXT (dB)     | DELAY (ns) | 1    | 19.1 | 3.0  | 65.0 | 570.0 | 4.0  | 21.0 | 3.5 | 64.1 | 552.0 | 8.0  | 21.0 | 5.0  | 59.4 | 546.7 | 10.0 | 21.0 | 5.5  | 57.8 | 545.4 | 16.0 | 20.0 | 7.0  | 54.6 | 543.0 | 20.0 | 19.5 | 7.9   | 53.1 | 542.1 | 25.0 | 19.0 | 8.9  | 51.5 | 541.2 | 31.25 | 18.5 | 10.0 | 50.0 | 540.4 | 62.5 | 16.0 | 14.4 | 45.1 | 538.6 | 100  | 14.0 | 18.6 | 41.8 | 537.6 | 200 | 11.0 | 27.4 | 36.9 | 536.5 | 250 | 10.0 | 31.1 | 35.3 | 536.3 |
|                                   | Frequency (MHz)                       | RL (dB)                | ATT (dB)      |   |            |            |           |             |           | NEXT (dB)       | DELAY (ns)  |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | 1                                     | 19.1                   | 3.0           |   |            |            |           |             |           | 65.0            | 570.0       |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | 4.0                                   | 21.0                   | 3.5           |   |            |            |           |             |           | 64.1            | 552.0       |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | 8.0                                   | 21.0                   | 5.0           |   |            |            |           |             |           | 59.4            | 546.7       |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 10.0                              | 21.0                                  | 5.5                    | 57.8          |   |            |            |           |             |           | 545.4           |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 16.0                              | 20.0                                  | 7.0                    | 54.6          |   |            |            |           |             |           | 543.0           |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 20.0                              | 19.5                                  | 7.9                    | 53.1          |   |            |            |           |             |           | 542.1           |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 25.0                              | 19.0                                  | 8.9                    | 51.5          |   |            |            |           |             |           | 541.2           |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 31.25                             | 18.5                                  | 10.0                   | 50.0          |   |            |            |           |             |           | 540.4           |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 62.5                              | 16.0                                  | 14.4                   | 45.1          | 538.6   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 100                               | 14.0                                  | 18.6                   | 41.8          | 537.6   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 200                               | 11.0                                  | 27.4                   | 36.9          | 536.5   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 250                               | 10.0                                  | 31.1                   | 35.3          | 536.3   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| External O.D.                     | 5.3±0.4 mm                            |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Surface                           | Clean,Frap,Satiation                  |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Material                          | PVC(complies RoHS)                    |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Color                             | TBD                                   |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Surface Printing                  | Letter height                         | 3.0±0.3mm              |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | Color                                 | Black                  |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | Print error & Space                   | ≤±0.5%, 1m             |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Core Color                        | 1 White- Blue /Blue                   | 2 White-Orange /Orange |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | 3 White-Green /Green                  | 4 White- Brown /Brown  |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Packing                           | Wooden Tray & Carton                  |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Carton dimension                  | According to the requires             |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Packing length                    | 305±1.5m                              |                        |               | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Frequency (MHz)</th> <th>PSNEXT (dB)</th> <th>ELFEXT (dB)</th> <th>PSELFEXT (dB)</th> </tr> </thead> <tbody> <tr><td>1</td><td>62.0</td><td>64.2</td><td>61.2</td></tr> <tr><td>4</td><td>61.8</td><td>52.1</td><td>49.1</td></tr> <tr><td>8</td><td>57.0</td><td>46.1</td><td>43.1</td></tr> <tr><td>10</td><td>55.5</td><td>44.2</td><td>41.2</td></tr> <tr><td>16</td><td>52.2</td><td>40.1</td><td>37.1</td></tr> <tr><td>20</td><td>50.7</td><td>38.2</td><td>35.2</td></tr> <tr><td>25</td><td>49.1</td><td>36.2</td><td>33.2</td></tr> <tr><td>31.25</td><td>47.5</td><td>34.3</td><td>31.3</td></tr> <tr><td>62.5</td><td>42.7</td><td>28.3</td><td>25.3</td></tr> <tr><td>100</td><td>39.3</td><td>24.2</td><td>21.2</td></tr> <tr><td>200</td><td>34.3</td><td>18.2</td><td>15.2</td></tr> <tr><td>250</td><td>32.7</td><td>16.2</td><td>13.2</td></tr> </tbody> </table>  |            |            |           |             |           | Frequency (MHz) | PSNEXT (dB) | ELFEXT (dB) | PSELFEXT (dB) | 1          | 62.0 | 64.2 | 61.2 | 4    | 61.8  | 52.1 | 49.1 | 8   | 57.0 | 46.1  | 43.1 | 10   | 55.5 | 44.2 | 41.2  | 16   | 52.2 | 40.1 | 37.1 | 20    | 50.7 | 38.2 | 35.2 | 25   | 49.1  | 36.2 | 33.2 | 31.25 | 47.5 | 34.3  | 31.3 | 62.5 | 42.7 | 28.3 | 25.3  | 100   | 39.3 | 24.2 | 21.2 | 200   | 34.3 | 18.2 | 15.2 | 250  | 32.7  | 16.2 | 13.2 |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Frequency (MHz)                   | PSNEXT (dB)                           | ELFEXT (dB)            | PSELFEXT (dB) |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 1                                 | 62.0                                  | 64.2                   | 61.2          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 4                                 | 61.8                                  | 52.1                   | 49.1          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 8                                 | 57.0                                  | 46.1                   | 43.1          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 10                                | 55.5                                  | 44.2                   | 41.2          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 16                                | 52.2                                  | 40.1                   | 37.1          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 20                                | 50.7                                  | 38.2                   | 35.2          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 25                                | 49.1                                  | 36.2                   | 33.2          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 31.25                             | 47.5                                  | 34.3                   | 31.3          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 62.5                              | 42.7                                  | 28.3                   | 25.3          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 100                               | 39.3                                  | 24.2                   | 21.2          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 200                               | 34.3                                  | 18.2                   | 15.2          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| 250                               | 32.7                                  | 16.2                   | 13.2          |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Rip-cord                          | Yes                                   | Drain wire             | No            |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Sheath Physical Properties        | Before Aging Tensile Strength (Mpa)   | ≥13.5                  |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | Elongation(%)                         | ≥150                   |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | Aging Period (°C×hrs)                 | 100°C×24h×7d           |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | After Aging Tensile Strength(Mpa)     | ≥12.5                  |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Elongation(%)                     | ≥125                                  |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Cold bend(-20±2°C×4h)             | 8×Cable O.D., No visible cracks       |                        |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Electrical Characteristics (20°C) | 1.0-250.0MHz Impedance ((Ω)           | 100±15                 |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | 1.0-250.0MHz Delay Skew (ns/100m)     | ≤45                    |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | DC Resistance (Ω/100m) max            | 9.5                    |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
|                                   | DC Conductor Resistance Unbalance (%) | max 5.0                |               |   |            |            |           |             |           |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |
| Version                           | A/01                                  | Date                   | 2017-08-25    | Revised By  | Caihanglie | Audited By | Nidonghua | Approved By | Nidonghua |                 |             |             |               |            |      |      |      |      |       |      |      |     |      |       |      |      |      |      |       |      |      |      |      |       |      |      |      |      |       |      |      |       |      |       |      |      |      |      |       |       |      |      |      |       |      |      |      |      |       |      |      |      |      |       |     |      |      |      |       |     |      |      |      |       |