

**SCP PART#: CAT6A-P-WT**

Rev04/20

CAT6A UTP PLENUM - 10GBASE-T, 600MHz 23AWG SOLID BC 4PR, UTP, ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS Ea, UL CMP, JKT-WHITE- 1000FT SPOOL

| Approvals/Ratings                 | UL and c(UL) CMP FT6                       |                           |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|-----------------------------------|--|---------------------------|--------------|--|--|--|--|-----------------|------------|------------|--------------|-----------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|----|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|-------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|-----|------|------|------|------|--|-----|-----|------|------|--|-----|-----|------|------|--|------|-----|------|------|--|
| Category                          | U-UTP-CAT6A-4P-PVC-CMP                     |                           |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| Test Standard                     | ISO/IEC11801、ANSI/TIA 568-2.D 、EN50173     |                           |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 1. Conductor                      | Material                                   | SOLID-Bare Copper         |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | Nom. O.D. (mm)                             | 0.565                     | Up           | +0.005   |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   |  |                           | Down         | -0.005   |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | Material                                   | FEP                       |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| Diameter                          | 0.99±0.04mm                                |                           |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| Color                             | 1.Blue, White-Blue                         | 2.Orange,White-Orange     |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | 3.Green,White-Gree                         | 4.Brown, White-Brown      |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 3. Filling                        | Plastic Separator : FEP                    |                           |              | <b>FLUKE Technical Performance (80m)</b><br><table border="1"> <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></td></tr> <tr><td>4.0</td><td>21.0</td><td>3.5</td><td>64.1</td><td></td></tr> <tr><td>8.0</td><td>21.0</td><td>5.0</td><td>59.4</td><td></td></tr> <tr><td>10.0</td><td>21.0</td><td>5.5</td><td>57.8</td><td></td></tr> <tr><td>16.0</td><td>20.0</td><td>7.0</td><td>54.6</td><td>498</td></tr> <tr><td>20.0</td><td>19.5</td><td>7.9</td><td>53.1</td><td></td></tr> <tr><td>25.0</td><td>19.0</td><td>8.9</td><td>51.5</td><td></td></tr> <tr><td>31.25</td><td>18.5</td><td>10.0</td><td>50.0</td><td></td></tr> <tr><td>62.5</td><td>16.0</td><td>14.4</td><td>45.1</td><td></td></tr> <tr><td>100</td><td>14.0</td><td>18.6</td><td>41.8</td><td></td></tr> <tr><td>200</td><td>11.0</td><td>27.4</td><td>36.9</td><td></td></tr> <tr><td>250</td><td>10.0</td><td>31.1</td><td>35.3</td><td></td></tr> <tr><td>400</td><td>8.0</td><td>38.4</td><td>29.9</td><td></td></tr> <tr><td>500</td><td>8.0</td><td>43.8</td><td>26.7</td><td></td></tr> <tr><td>*600</td><td>8.0</td><td>48.7</td><td>24.0</td><td></td></tr> </tbody> </table> |  |  |  | Frequency (MHz) | RL ≥dB     | ATT ≤dB    | NEXT ≥dB     | DELAY ≤ns | 1    | 19.1 | 3.0  | 65.0 |      | 4.0  | 21.0 | 3.5 | 64.1 |      | 8.0  | 21.0 | 5.0  | 59.4 |      | 10.0 | 21.0 | 5.5  | 57.8 |    | 16.0 | 20.0 | 7.0  | 54.6 | 498  | 20.0 | 19.5 | 7.9   | 53.1 |      | 25.0 | 19.0 | 8.9  | 51.5 |      | 31.25 | 18.5 | 10.0 | 50.0 |     | 62.5 | 16.0 | 14.4 | 45.1 |      | 100  | 14.0 | 18.6 | 41.8 |      | 200 | 11.0 | 27.4 | 36.9 |     | 250  | 10.0 | 31.1 | 35.3 |  | 400 | 8.0 | 38.4 | 29.9 |  | 500 | 8.0 | 43.8 | 26.7 |  | *600 | 8.0 | 48.7 | 24.0 |  |
| Frequency (MHz)                   | RL ≥dB                                     | ATT ≤dB                   | NEXT ≥dB     | DELAY ≤ns  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 1                                 | 19.1                                       | 3.0                       | 65.0         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 4.0                               | 21.0                                       | 3.5                       | 64.1         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 8.0                               | 21.0                                       | 5.0                       | 59.4         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 10.0                              | 21.0                                       | 5.5                       | 57.8         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 16.0                              | 20.0                                       | 7.0                       | 54.6         | 498  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 20.0                              | 19.5                                       | 7.9                       | 53.1         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 25.0                              | 19.0                                       | 8.9                       | 51.5         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 31.25                             | 18.5                                       | 10.0                      | 50.0         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 62.5                              | 16.0                                       | 14.4                      | 45.1         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 100                               | 14.0                                       | 18.6                      | 41.8         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 200                               | 11.0                                       | 27.4                      | 36.9         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 250                               | 10.0                                       | 31.1                      | 35.3         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 400                               | 8.0  | 38.4                      | 29.9         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 500                               | 8.0  | 43.8                      | 26.7         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| *600                              | 8.0  | 48.7                      | 24.0         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 4. Rip-cord                       | Yes  | Drain wire                | No           |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 5. Sheath                         | Thickness                                  | 0.45±0.05 mm              |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | External O.D.                              | 6.1±0.4 mm                |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | Surface                                    | Clean,Frap,Satiation      |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | Material                                   | PVC (complies RoHS ),CMP  |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | Color                                      | According to the requires |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| Surface Printing                  | Letter height                              | 3.0±0.3mm                 |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | Color                                      | Black                     |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | Print error & Space                        | ≤±0.5%, 1m                |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| Packing                           | Drum                                       |                           |              | <table border="1"> <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> <tr><td>400</td><td>27.1</td><td>12.1</td><td>9.1</td></tr> <tr><td>500</td><td>23.8</td><td>10.2</td><td>7.2</td></tr> <tr><td>*600</td><td>21.0</td><td>8.6</td><td>5.6</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 | 400  | 27.1 | 12.1 | 9.1 | 500  | 23.8 | 10.2 | 7.2 | *600 | 21.0 | 8.6  | 5.6  |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 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         |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 400                               | 27.1                                       | 12.1                      | 9.1          |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 500                               | 23.8                                       | 10.2                      | 7.2          |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| *600                              | 21.0                                       | 8.6                       | 5.6          |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| Weight                            | N.W16.50KGS/ G.W 18.00KGS                  |                           |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| Packing length                    | 305±1.5m                                   |                           |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| 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)                     | No visible cracks         |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
| Electrical Characteristics (20°C) | 1.0-500.0MHz, Characteristic impedance (Ω) | 100±15                    |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | 1.0-500.0MHz, Delay Shew 20°C(ns/100m)     | ≤45                       |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | DC Resistance 20°C(Ω/100m) max             | 9.38                      |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |
|                                   | DC Conductor Resistance Unbalance (%)max   | 5.0                       |              |  |  |  |  |                 |            |            |              |           |      |      |      |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |    |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |     |      |      |      |      |      |      |      |      |      |      |     |      |      |      |     |      |      |      |      |  |     |     |      |      |  |     |     |      |      |  |      |     |      |      |  |

Acceptance criterion: Per 4Pair pass FLUKE Permanent link test instrument.