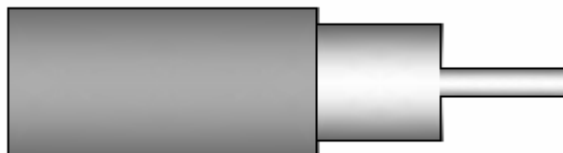


Cable  
UT85

UT85

**Material and plating**

|                 |           |                                   |
|-----------------|-----------|-----------------------------------|
| Inner Conductor | See Below | $0.51 \pm 0.0127\text{mm}$        |
| Dielectric      | PTFE      | $1.68 \pm 0.0254\text{mm}$        |
| Outer Conductor | See Below | $2.20 + 0.05 / - 0.0254\text{mm}$ |

**Electrical data**

|                           |                                 |
|---------------------------|---------------------------------|
| Impedance                 | $50 \pm 1.5 \Omega$             |
| Capacitance               | $95.1\text{pF/m}$               |
| Corona Extinction Voltage | $1500\text{V RMS @}60\text{Hz}$ |
| Voltage Withstanding      | $5000\text{V RMS @}60\text{Hz}$ |
| Attenuation               | see table                       |
| Power                     | see table                       |
| Suitable for frequencies  | up to $61\text{GHz}$            |

**Mechanical data**

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Min. bending radius   | See below                                       |
| Operating temperature | $-40^{\circ}\text{C}$ to $+125^{\circ}\text{C}$ |
| Weight                | See below                                       |

**Addition information****UT85-A-AL-TP**

|                     |                                 |
|---------------------|---------------------------------|
| Inner Conductor     | Silver-Plated copperweld (SPCW) |
| Outer conductor     | Tin Plated AL                   |
| Weight              | $11.9\text{kg/km}$              |
| Min. bending radius | $1.778\text{mm}$                |

**UT85-AL-TP-M17**

It's the same with UT85-A-AL-TP

**UT85-TP**

|                     |                                 |
|---------------------|---------------------------------|
| Inner Conductor     | Silver-Plated copperweld (SPCW) |
| Outer conductor     | Tin Plated Copper               |
| Weight              | $20.2\text{kg/km}$              |
| Min. bending radius | $1.27\text{mm}$                 |

**Attenuation and Power rating**

Attenuation values typical at 20°C ambient temperature

Mean power rating at 20°C ambient temperature

| Frequency(MHz) | Attenuation(dB/100m) | Power(W) |
|----------------|----------------------|----------|
| 500            | 44.62                | 190.3    |
| 1000           | 64                   | 133.2    |
| 5000           | 150.6                | 57.2     |
| 10000          | 221.5                | 39.3     |
| 20000          | 329                  | 26.7     |

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

|                                                                                                                                                                    |          |          |      |      |                                                                                 |        |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------|------|---------------------------------------------------------------------------------|--------|---------------|
| Draft                                                                                                                                                              | Date     | Approved | Date | Rev. | Engineering change number                                                       | Name   | Date          |
| Shibin                                                                                                                                                             | 30.08.06 |          |      | a    | -----                                                                           | Shibin | 30.08.06      |
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