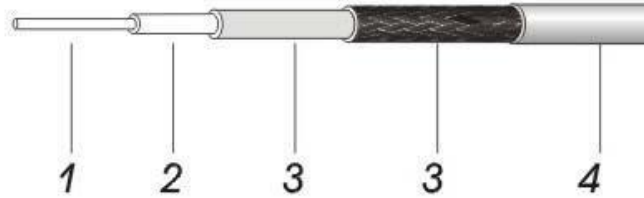




## 50Ω Series Coaxial Cable —TY-400



### Cable Construction

| No.             | Material                         | Dimensions(mm) |
|-----------------|----------------------------------|----------------|
| Inner Conductor | Copper Clad Aluminum             | 2.74±0.02      |
| Dielectric      | Solid PE                         | 7.24±0.13      |
| Outer Conductor | Al Foil + Tinned Copper Braiding | 86% Coverage   |
| Jacket          | PE/LSZH/PVC                      | 10.29±0.18     |

### Mechanical Characteristics

|                 |        |              |            |
|-----------------|--------|--------------|------------|
| Impedance       | 50±2Ω  | Capacitance  | 24.0pF/ft  |
| Velocity        | 85%    | Jacket spark | 8000 V.RMS |
| Min Bend Radius | 51.5mm |              |            |

### Attenuation

| Frequency<br>(MHz) | Typical<br>(dB/100ft) | Max<br>(dB/100ft) | Frequency<br>(MHz) | Typical<br>(dB/100ft) | Max<br>(dB/100ft) |
|--------------------|-----------------------|-------------------|--------------------|-----------------------|-------------------|
| 30                 | 0.76                  | 0.84              | 1500               | 5.1                   | 5.6               |
| 50                 | 0.97                  | 1.07              | 1800               | 5.6                   | 6.2               |
| 150                | 1.5                   | 1.7               | 2000               | 5.9                   | 6.5               |
| 220                | 1.9                   | 2.1               | 2500               | 6.7                   | 7.4               |
| 450                | 2.7                   | 3.0               | 3000               | 7.5                   | 8.3               |
| 900                | 3.9                   | 4.3               |                    |                       |                   |

