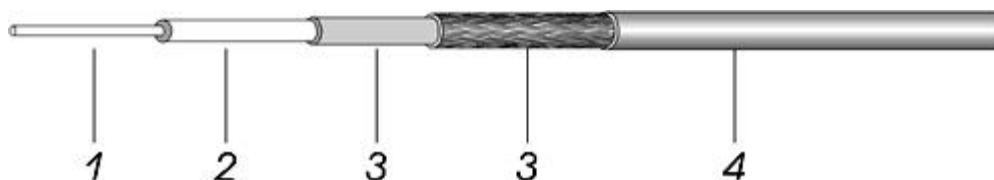


## PT400DB-400 (LMR400DB)

## Low Loss Cable



### Construction Specification

|    |                        | <i>Material</i>                                                      | <i>Diameter (mm)</i> |
|----|------------------------|----------------------------------------------------------------------|----------------------|
| 1. | <b>Inner Conductor</b> | Copper Clad Aluminum (CCA)                                           | 2.77                 |
| 2. | <b>Dielectric</b>      | Foam PE                                                              | 7.24                 |
| 3. | <b>Shielding</b>       | Bonded Aluminum foil + Tinned Copper Clad Aluminum wire (TCCA) + GEL | 168 / 0.16mm         |
| 4. | <b>Jacket</b>          | PVC – RoHS (black-color)                                             | 10.30                |

### Electrical Characteristics

|                                                                 |       |
|-----------------------------------------------------------------|-------|
| <b>Capacitance (pF/m)</b>                                       | 78.40 |
| <b>Impedance (ohm)</b>                                          | 50    |
| <b>Velocity (%)</b>                                             | 85    |
| <b>Inner conductor DC Resistance (<math>\Omega</math> / km)</b> | 2.92  |
| <b>Outer conductor DC Resistance (<math>\Omega</math> / km)</b> | 5.41  |
| <b>Shielding Effectiveness(dB)</b>                              | >90   |
| <b>Cutoff Frequency</b>                                         | 16.2  |
| <b>Peak Power</b>                                               | 16KW  |

### Mechanical & Environmental Characteristics

|                                   |              |
|-----------------------------------|--------------|
| <b>Min. Bend Radius (mm/inch)</b> | 51 / 2.0     |
| <b>Operating temp. (° C)</b>      | - 40 to + 80 |
| <b>Tensile Strength (kg / lb)</b> | 72.6 / 160   |
| <b>RoHS Compliant</b>             | YES          |

### Attenuation and Avg. Power (20 ° C)

| <i>Frequency (MHz)</i> | <i>Attenuation dB (100ft)</i> |
|------------------------|-------------------------------|
| 30                     | 0.84                          |
| 150                    | 1.47                          |
| 220                    | 1.75                          |
| 450                    | 2.38                          |
| 900                    | 2.99                          |
| 1600                   | 3.39                          |
| 1800                   | 4.70                          |
| 2000                   | 5.99                          |
| 2500                   | 6.80                          |
| 5800                   | 10.80                         |