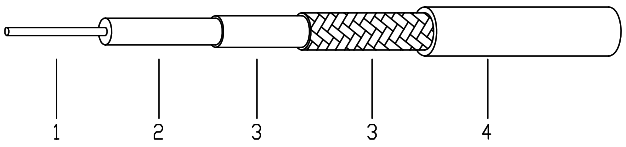
# ANO LL-300-lite




## Construction Specification

| | Material | Diameter(mm) | |
|---|---|---|---|
| | | mm | inch |
| 1. Inner Conductor | Solid Copper | 1.78 | .070 |
| 2. Dielectric | Foam Polyethylene | 4.83 | .190 |
| 3. Outer Conductor | Bonded Aluminum Foil | 4.98 | .196 |
| 4. Overall Braid | Aluminum Magnesium Braid | 5.72 | .225 |
| 5 Jacket | Black Polyethylene | 7.62 | .300 |

## Electrical Characteristics

| | | |
|---|---|---|
| Capacitance | 78.4 pF/m | 23.9 pF/ft |
| Impedance(ohm) | 50 | |
| Velocity (%) | 85 | |
| Inner Conductor DC Resistance | 7.0 Ω/km | 2.12 Ω/1000ft |
| Outer Conductor DC Resistance | 7.3 Ω/km | 2.21 Ω/1000ft |
| Shielding Effectiveness(dB) | > 90 | |

## Mechanical Characteristics

| | | |
|---|---|---|
| Cable Minimum Static Bend Radius | 22.2 mm | .88 inch |
| Cable Minimum Dynamic Bend Radius | 76. 2 mm | 3.0 inch |
| Weight | 0.08 kg/m | .055 lb/ft |

## Environmental Characteristics

| | |
|---|---|
| Storage Temp.(℃) | -70 to +85 |
| Installation Temp.(℃) | -40 to +85 |
| Operating Temp(℃) | -40 to +85 |

## Attenuation & Average Power @ 20℃ and Seal Leavel

| Frequency(MHz) | Attenuation | | Avg.Power(KW) |
|---|---|---|---|
| | dB/100 m | dB/100 Ft | |
| 30 | 3.5 | 1.1 | 2.09 |
| 50 | 4.5 | 1.4 | 1.62 |
| 150 | 7.9 | 2.4 | 0.92 |
| 220 | 9.6 | 2.9 | 0.76 |
| 450 | 13.8 | 4.2 | 0.52 |
| 900 | 19.9 | 6.1 | 0.36 |
| 1500 | 26.0 | 7.9 | 0.28 |
| 1800 | 28.7 | 8.7 | 0.25 |
| 2000 | 30.3 | 9.2 | 0.24 |
| 2500 | 34.2 | 10.4 | 0.21 |
| 3000 | 37.2 | 11.3 | 0.20 |
| 5800 | 54.2 | 16.5 | 0.13 |