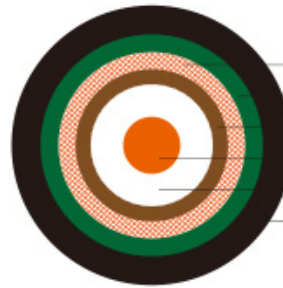


RG 400 LL



- Tinned copper outer conductor
- Copper + polyester tape
- Non-migrating tape
- Plain copper inner conductor
- Gas injected foam PE dielectric
- PVC or LSZH outer sheath

Construction

|                                   |                             |               |
|-----------------------------------|-----------------------------|---------------|
| <b>Inner conductor</b>            | Plain copper                | 2.62 mm       |
| <b>Dielectric</b>                 | Gas injected foam PE        | Φ7.20±0.10mm  |
| <b>Outer conductor (shield1 )</b> | Aluminium+polyester+Al tape |               |
| <b>Shield coverage</b>            |                             | 100%          |
| <b>Outer conductor (shield 2)</b> | Tinned copper               | 128 x 0.15mm  |
| <b>Shield coverage</b>            |                             | 70%           |
| <b>Tape</b>                       | Non-migrating tape          | h.27mm        |
| <b>Sheath</b>                     | PVC or LSZH                 | Φ10.30±0.18mm |

Electrical & Mechanical Characteristics

|                                    |                 |
|------------------------------------|-----------------|
| <b>Impedance</b>                   | 50±3 Ohm        |
| <b>Nominal capacitance</b>         | 80 pF/m         |
| <b>Velocity of propagation</b>     | 84%             |
| <b>Insulation resistance</b>       | >5000 Mohm.Km   |
| <b>Inner conductor resistance</b>  | 3.2 Ohm/Km      |
| <b>Outer conductor resistance</b>  | 7.5 Ohm/Km      |
| <b>Operating temperature range</b> | -40 °C - +75 °C |
| <b>Copper weight</b>               | 71.0 Kg/Km      |
| <b>Cable weight (approx.)</b>      | 122.1 Kg/Km     |
| <b>Screening effectiveness</b>     | >85 dB          |

Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100ft) |
|----------------|------------------------|------------------------|
| 50             | 2.5                    | 0.76                   |
| 100            | 3.6                    | 1.1                    |
| 400            | 7.9                    | 2.41                   |
| 600            | 10.1                   | 3.08                   |
| 860            | 12.1                   | 3.69                   |
| 1000           | 13.2                   | 4.02                   |
| 1750           | 18.7                   | 5.7                    |
| 2400           | 22.2                   | 6.77                   |

## Return Loss

|                    |       |
|--------------------|-------|
| <b>30-300 MHz</b>  | >29dB |
| <b>300-600 MHz</b> | >26dB |
| <b>600-900 MHz</b> | >24dB |