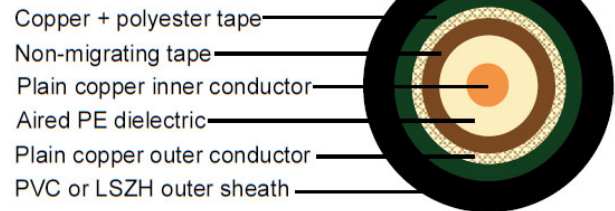


## H200 Super low loss coax

Art. nr: K1001



### Construction :

|                            |                         |                          |
|----------------------------|-------------------------|--------------------------|
| Inner conductor            | Plain copper            | 2.5 mm                   |
| Dielectric                 | Aired PE                | $\Phi 6.90 \pm 0.20$ mm  |
| Outer conductor (shield 1) | Copper + polyester tape |                          |
| Shield coverage            |                         | 100%                     |
| Outer conductor (shield 2) | Plain copper            | 192 x 0.15 mm            |
| Shield coverage            |                         | 96%                      |
| Tape                       | Non-migrating tape      | h.27mm                   |
| Sheath                     | PVC or LSZH             | $\Phi 10.30 \pm 0.20$ mm |

### Electrical & Mechanical Characteristics :

|                             |                 |
|-----------------------------|-----------------|
| Impedance                   | 50 $\pm$ 3 Ohm  |
| Nominal capacitance         | 80 pF/m         |
| Velocity of propagation     | 84%             |
| Insulation resistance       | >5000 Mohm.Km   |
| Inner conductor resistance  | 3.7 Ohm/Km      |
| Outer conductor resistance  | 5.5 Ohm/Km      |
| Operating temperature range | -40 °C - +75 °C |
| Copper weight               | 88.5 Kg/Km      |
| Cable weight (approx.)      | 148 Kg/Km       |
| Screening effectiveness     | >85 dB          |

## Attenuation :

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100ft) |
|----------------|------------------------|------------------------|
| 50             | 2.5                    | 0.76                   |
| 100            | 3.6                    | 1.10                   |
| 400            | 7.9                    | 2.41                   |
| 600            | 10.1                   | 3.08                   |
| 860            | 12.1                   | 3.69                   |
| 1000           | 13.2                   | 4.02                   |
| 1750           | 18.7                   | 5.70                   |
| 2400           | 22.2                   | 6.77                   |

## Return Loss :

|             |       |
|-------------|-------|
| 30-300 MHz  | >25dB |
| 300-600 MHz | >22dB |
| 600-900 MHz | >18dB |