



Coaxial cable QR500 and QR500M

Construction

| | Material | Diameter(mm) QR500 | QR500M |
|-----------------|------------------|--------------------|--------|
| Inner Conductor | CCA | 2.77 | 2.77 |
| Dielectric | Foam PE | 11.43 | 11.43 |
| First Shield | Solid AL tube | | |
| Jacket | PE | 14.22 | 14.22 |
| Messenger | Galvanized Steel | / | 2.77 |

Electrical Characteristics

| | |
|-----------------------------|------------|
| Impedance (Ω) | 75 \pm 3 |
| Capacitance (pF/m) | 52 \pm 2 |
| Velocity of Propagation (%) | 87.0 |
| Return Loss | |
| 5-1000MHz(dB) | \geq 22 |
| Screening Effectiveness | |
| 5-1000MHz(dB) | \geq 100 |

Attenuation(@20°C)

| Frequency (MHZ) | Max Attenuation (dB/100m) |
|-----------------|---------------------------|
| 5 | 0.52 |
| 55 | 1.77 |
| 83 | 2.17 |
| 211 | 3.58 |
| 250 | 3.94 |
| 300 | 4.30 |
| 350 | 4.69 |
| 400 | 5.02 |
| 500 | 5.68 |
| 600 | 6.27 |
| 750 | 7.09 |
| 865 | 7.68 |
| 1000 | 8.27 |