

50 Ohm RF Coaxial Cables

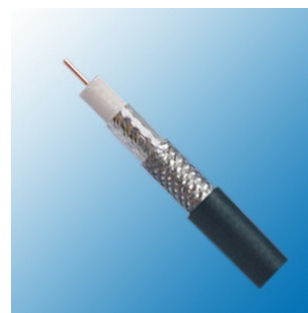
ACCL (ALMR) 200

Construction

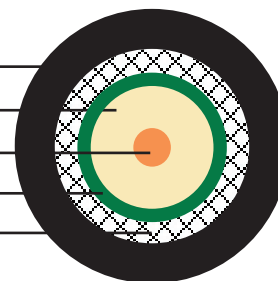
| | | |
|-----------------|-----------------------|----------|
| Inner conductor | Solid copper | Φ1.12 mm |
| Dielectric | Foam /Solid PE | Φ2.95 mm |
| Shield | Bonded aluminium foil | Φ3.07 mm |
| Outer conductor | Tinned copper braid | Φ3.66 mm |
| Sheath | PVC/PE | Φ4.95 mm |

Electrical & Mechanical Characteristics

| | |
|-----------------------------|----------------|
| Impedance | 50±3 Ohm |
| Nominal capacitance | 80.3 pF/m |
| Velocity of propagation | 83% |
| Insulation resistance | >5000 Mohm.Km |
| Inner conductor resistance | 17.6 Ohm/Km |
| Outer conductor resistance | 16.1 Ohm/Km |
| Operating temperature range | -40°C - +85 °C |
| Min.bending radius | 27 mm |



PVC/PE sheath
Foamed/solid PE dielectric
Solid copper inner conductor
Bonded aluminium foil
Tinned copper braid outer conductor



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Max. Attenuation(dB/100ft) |
|----------------|------------------------|----------------------------|
| 30 | 5.8 | 1.8 |
| 50 | 7.5 | 2.3 |
| 150 | 13.1 | 4.0 |
| 220 | 15.9 | 4.8 |
| 450 | 22.8 | 6.9 |
| 900 | 32.6 | 9.9 |
| 1500 | 42.4 | 12.9 |
| 1800 | 46.6 | 14.2 |
| 2000 | 49.3 | 15.0 |
| 2500 | 55.4 | 16.9 |
| 3000 | 60.0 | 18.3 |
| 5800 | 86.5 | 26.4 |