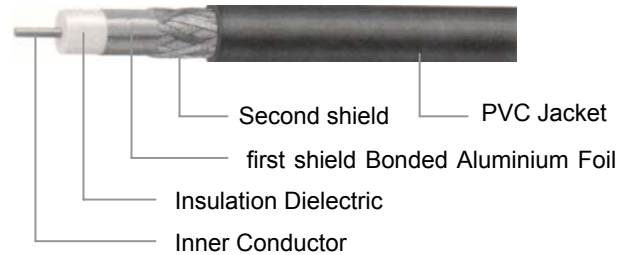


RG6 CATV/MATV Coaxial Drop Cable



Part Number: D1-RG6/S40

| Physical Dimensions | | |
|--|-----------------|-----------------------------|
| Inner Conductor | Material | 18AWG Copper-Clad Steel |
| | Dia. ,mm | 0.040" (1.02 mm) |
| Insulation | Material | Gas Expanded Polyethylene |
| | Dia. ,mm | 0.180" (4.57 mm) |
| Outer conductor | First shield | Bonded aluminum Mylar Tape |
| | Second shield | Aluminum Braid Wire |
| | Dia. ,mm | 0.182" (4.62 mm) |
| Jacket | Material | Flame Retardant PVC Jacket |
| | Thickness ,mm | 0.032" (0.82 mm) |
| | Dia. ,mm | 0.265" (6.73 mm) |
| Mechanical Characteristics | | |
| Adhesion Force (> N) (Sample of 300mm long) | | 20 |
| Electrical Characteristics | | |
| Nominal Impedanc , Ω | | 75 \pm 3.0 |
| Capacitance, pF/m | | 16.2 pF/ft (53.1 pF/m) |
| Propagation velocity, % | | 85 |
| DC breakdown voltage, KV | | 3.0 |
| Insulation resistance , M Ω ·Km | | >5 \times 10 ³ |
| Normal DC Resistance (20°C, Ω /km) | Inner conductor | 21 |
| | Outer conductor | 40 |
| | Loop | 61 |



| Attenuation (20°C, @dB/100m) | |
|-------------------------------|-------|
| 5 MHz | 1.87 |
| 55 MHz | 4.94 |
| 211 MHz | 9.43 |
| 250 MHz | 10.22 |
| 350 MHz | 12.20 |
| 400 MHz | 13.42 |
| 450 MHz | 14.04 |
| 500 MHz | 14.80 |
| 550 MHz | 15.62 |
| 600MHz | 16.34 |
| 750 MHz | 18.44 |
| 870 MHz | 19.99 |
| 1000 MHz | 21.46 |
| 1200MHz | 23.80 |
| 1450MHz | 26.25 |
| 1750MHz | 29.10 |
| Shielding effectiveness ,> dB | |
| 55 MHz | 70 |
| 300 MHz | 75 |
| 1000 MHz | 75 |
| Return loss ,> dB | |
| VHF | 20 |
| UHF | 20 |

- Adhesion force means the separating force between inner conductor and dielectric.
- Attenuation increases at higher temperature. The temperature coefficient is 0.18%/°C.
- The package type and dimension can be decided according to customer demands.