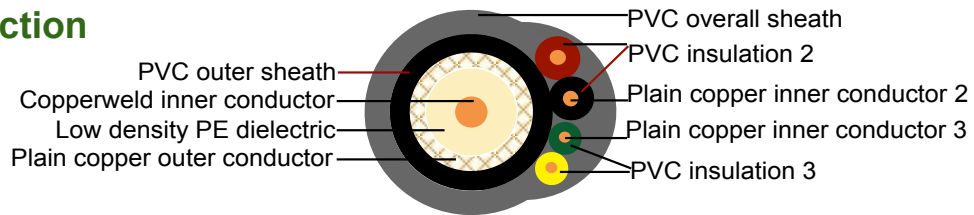


Hybrid Coaxial Cables

RG59 + 2 x 2.5mm²+ 2 x 0.22mm²

Construction



| | | |
|-------------------------|---------------------------|--------------------------|
| Inner conductor 1 | Copper covered steel(CCS) | 0.58 mm |
| Dielectric | Low density PE | Φ3.70 ± 0.10 mm |
| Outer conductor(shield) | Plain copper | 180 x 0.10 mm |
| Shield coverage | | 94% |
| Sheath | PVC | Φ6.20 ± 0.10 mm |
| Inner conductor 2 | Plain copper | 2x 2.50 mm ² |
| Insulated cores 2 | PVC | 2 x Φ3.40 ± 0.10 mm |
| Inner conductor 3 | Plain copper | 2 x 0.22 mm ² |
| Insulated cores 3 | PVC | 2 x Φ1.00 ± 0.10 mm |
| Overall sheath | PVC/LSOH | Φ12.00 ± 0.30 mm |

Electrical & Mechanical Characteristics

| | |
|--|--------------------|
| Impedance | 75±5 Ohm |
| Nominal capacitance | 67 pF/m |
| Velocity of propagation | 66% |
| Insulation resistance | >2000 Mohm.Km |
| Inner conductor resistance | 158 Ohm/Km |
| Outer conductor resistance | 11 Ohm/Km |
| Operating temperature range | -25°C - +80 °C |
| Cores resistance 0.22 mm ² / 2.50 mm ² | 82 Ohm/Km/8 Ohm/Km |
| Operatig Voltage(max) | 0.25 KV/0.3 KV |
| Test Voltage | 1.2 KV/2.0 KV |
| Copper weight | 63.5 Kg/Km |
| Cable weight (approx.) | 221.4 Kg/Km |
| Screening effectiveness | >55 dB |

Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 7.4 | 2.26 |
| 100 | 10.7 | 3.26 |
| 200 | 15.7 | 4.79 |
| 400 | 22.7 | 6.92 |
| 500 | 25.7 | 7.84 |
| 600 | 28.7 | 8.75 |
| 860 | 34.8 | 10.61 |
| 1000 | 38.0 | 11.59 |

Return Loss

| | |
|-------------|-------|
| 30-300 MHz | >31dB |
| 300-600 MHz | >28dB |
| 600-900 MHz | >24dB |