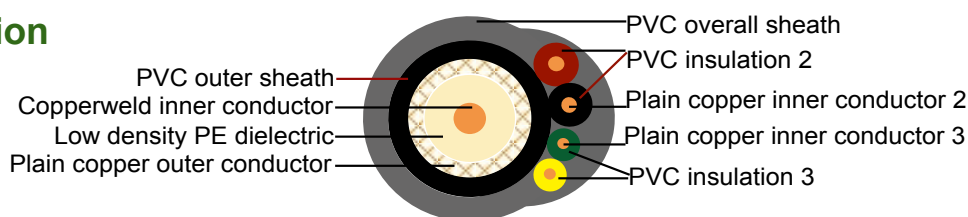


# Hybrid Coaxial Cables

## RG59 + 2 x 1.5mm<sup>2</sup>+ 2 x 1.00mm<sup>2</sup>

### 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 1.50 mm <sup>2</sup>
Insulated cores 2	PVC	2 x Φ2.60 ± 0.10 mm
Inner conductor 3	Plain copper	2 x 1.00 mm <sup>2</sup>
Insulated cores 3	PVC	2 x Φ1.70 ± 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 1.00 mm <sup>2</sup> / 1.50 mm <sup>2</sup>	18 Ohm/Km/12 Ohm/Km
Operatig Voltage(max)	0.25 KV/0.3 KV
Test Voltage	1.2 KV/2.0 KV
Copper weight	60.1 Kg/Km
Cable weight (approx.)	220.7 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