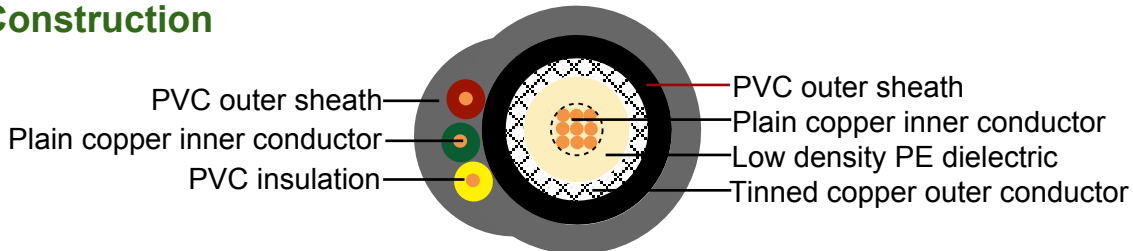


# Hybrid Coaxial Cables

## RG175 + 3 x 0.22mm<sup>2</sup>

### Construction



Inner conductor1	Plain copper	9 x 0.10 mm
Dielectric	Low density PE	Φ1.50 ± 0.08 mm
Outer conductor	Tinned copper	72 x 0.10 mm
Shield coverage		90%
Sheath	PVC	Φ2.80 ± 0.13 mm
Inner conductor 2	Plain copper	3 x 0.22 mm <sup>2</sup>
Insulated cores 2	PVC(Green +Yellow + Red)	3 x Φ1.00 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ5.30 ± 0.20 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	250 Ohm/Km
Outer conductor resistance	35 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance	82 Ohm/Km
Test/Operatig Voltage(max)	1.2 KV/0.25 KV
Copper weight	11.85 Kg/Km
Cable weight (approx.)	43.2 Kg/Km
Screening effectiveness	>50 dB

### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	19.2	5.85
100	27.9	8.51
200	40.7	12.41
400	59.2	18.05
500	67.5	20.58
600	72.6	22.13
860	91.1	27.77
1000	101.0	30.79

### Return Loss

30-300 MHz	>20dB
300-600 MHz	>20dB
600-900 MHz	>20dB