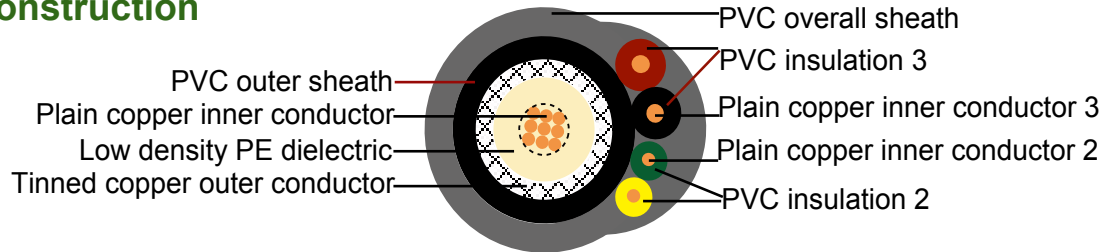


Hybrid Coaxial Cables

RG175 + 2 x 0.22mm² + 2 x 0.5mm²

Construction



Inner conductor 1	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	2 x 0.22 mm ²
Insulated cores 2	PVC	2 x Φ1.00 ± 0.10 mm
Inner conductor 3	Plain copper	2 x 0.50 mm ²
Insulated cores 3	PVC	2 x Φ1.50 ± 0.10 mm
Overall sheath	PVC	Φ6.20 ± 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 0.22 mm ² - 0.50 mm ²	82Ohm/Km - 39 Ohm/Km
Test/Operatig Voltage(max)	1.2 KV/0.25 KV
Copper weight	18.85 Kg/Km
Cable weight (approx.)	61.55 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