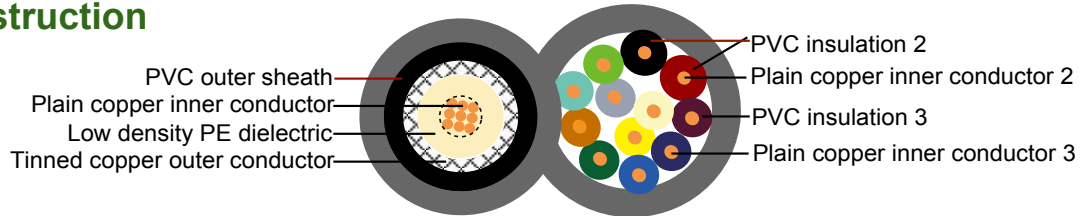


Hybrid Coaxial Cables

RG175 + 2 x 0.75mm²+ 10 x 0.5mm²

Construction



Inner conductor 1	Copper covered steel(CCS)	9 x 0.10 mm
Dielectric	Low density PE	Φ1.50 ± 0.08 mm
Outer conductor (shield)	Tinned copper	72 x 0.10 mm
Shield coverage		90%
Sheath	PVC	Φ2.80 ± 0.13 mm
Inner conductor 2	Plain copper	2x 0.75 mm ²
Insulated cores 2	PVC	2 x Φ1.70 ± 0.10 mm
Inner conductor 3	Plain copper	10 x 0.5 mm ²
Insulated cores 3	PVC	10 x Φ1.50 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ9.90 ± 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	250 Ohm/Km
Outer conductor resistance	35 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance 0.50 mm ² /0.75 mm ²	39Ohm/Km/26 Ohm/Km
Operatig Voltage(max)	0.25 KV/0.3 KV
Test Voltage	1.2 KV/2.0 KV
Copper weight	64.45 Kg/Km
Cable weight (approx.)	172.65 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