

1855A Coax Cable

Part number: 204-102

Description:

23 AWG solid .023" bare copper conductor, gas-injected foam HDPE insulation, Duofoil® + tinned copper braid shield (95% coverage), PVC jacket.

Conductor

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	23	Solid	Bare Copper	0.5842

Insulator

Insulation Material	Dia(mm)
Gas-injected FHDPE - Foam High Density Polyethylene	0.016

Outer Shield

Layer#	Outer shield trade name	Type	Outer shield material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil polyester tape	100
2		Braid	TC - Tinned copper	95

Outer Jacket

Outer Jacket Material
PVC - Polyvinyl Chloride

Electrical Characteristics

Impedance : 75
Inductance (μH/m): 0.351067
Capacitance (pF/m): 53.4803
Nominal Velocity of Propagation: 82 %

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C
UL Temperature Rating: 75°C
Bulk Cable Weight: 25.299 Kg/Km
Max. Recommended Pulling Tension: 160.135 N
Min. Bend Radius/Minor Axis: 38.100 mm
Overall diameter: 4.039 mm

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.280
10.000	3.937
12.000	4.265
25.000	5.906
100.000	10.926
540.000	25.264
750.000	31.465
1000.000	34.451
2000.000	49.543
3000.000	60.699
4500.000	74.807

