



Siechem Automotive SieCar RG 174/U Coaxial Cable

Application

- ✓ Coaxial cable to be used as car antenna cable and feeder cable.
- ✓ Widely used in low-power RF and signal transmission.
- ✓ Automotive inner Wiring for communication and Electronic Devices.
- ✓ Automotive TV/ Radio.
- ✓ Patch Cords & Interconnects.
- ✓ Monitoring / Security camera.
- ✓ Aerospace & Defense

Product Construction

- ✓ Conductor : Copper Plated Steel.
- ✓ Insulation : Polyethylene (PE)
- ✓ Insulation Colour : Natural
- ✓ Braiding : Annealed Tinned Copper wire, (87% Coverage)
- ✓ Separator : Polyester tape
- ✓ Outer Sheath : Polyvinylchloride (PVC)
- ✓ Sheath Color : Black (or) as per Customer order

Technical Data

- ✓ Temperature : - 25°C to +85°C
- ✓ Nom. Capacitance at 1 GHz : 101 pF/m
- ✓ Characteristic impedance : 50 ± 2 Ω
- ✓ Bending Radius :
Single : 5 x Cable OD
Multiple : 10 x Cable OD
- ✓ Velocity of Propagation : 66 % speed of light
- ✓ Signal Delay : 5.03 ns/m
- ✓ Max. Operating Voltage ≤ : 1.5 kV rms
- ✓ Test Voltage: 3 kV rms for 1minutes
- ✓ Screening Effectiveness at 1 Ghz > 40 dB
- ✓ Insulation Resistance : ≥ 1x10⁸ MΩm.
- ✓ Installation Temperature : -20°C to +60°C .

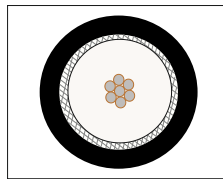
Features

- ✓ Light weight & Easy to install.
- ✓ High flexible.
- ✓ Resistant to physical damage
- ✓ Less susceptible to noise interference compare to twisted pair.
- ✓ Highly resistant to EMI.
- ✓ Moisture & Abrasion resistance.

Automotive Cables

SieCar RG 174/U

2D View

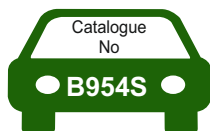


Approvals	Accreditations	Certifications

Part Number	Conductor Construction					Nominal Insulation Wall Thickness	Core Diameter	Nom. Outer Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. Conductor Resistance at 20°C
	No. of Core	Nominal Cross-Section	No. of Strand	Strands Wire (Nom.)	Conductor Diameter (Max.)						
B954SA260004	Nos.	Sq.mm	Nos.	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
	1	0.14	7	0.16	0.48	0.5	1.48	0.25	2.55 ± 0.13	11.2	320

Frequency (GHz)	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
Nom.Attenuation (dB/m) Sea level 25°C Ambient Temperature Nom.	0.20	0.28	0.35	0.40	0.45	0.50	0.54	0.58	0.61	0.64
Frequency (GHz)	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
Nom.Attenuation (dB/m) Sea level 25°C Ambient Temperature Nom.	0.68	0.71	0.74	0.77	0.79	0.82	0.85	0.87	0.90	0.92

** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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