

Siechem Automotive SieCar 105-302-4 Coaxial Cable

Application

- ✓ An automotive communication cable used for data transmission in vehicle electronic networks.
- ✓ It is commonly used in low-speed communication system inside vehicles.
- ✓ Supports communication protocols such as CAN Bus and LIN Bus.

Product Construction

- ✓ Conductor : Annealed Bare Stranded Copper Conductor (EN 13602).
- ✓ Insulation : Foamed PP, Natural
- ✓ Shielding : Aluminium Mylar tape (100% coverage).
- ✓ Braiding : ATC (90% coverage).
- ✓ Sheath : Lead Free PVC, black

Technical Data

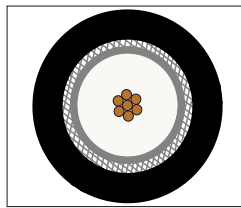
- ✓ Temperature : -40°C to + 105°C (3000hrs)
- ✓ Max. Operating Voltage : 60V (DC)
- ✓ Max. Mutual Capacitance @ 1 kHz : 94 pF/m
- ✓ Characteristic Impedance : 50 ± 3Ω
- ✓ Min. Bending radius : 5 x Cable OD (Single)
15 x Cable OD (Multiple)
- ✓ Stripping force :
 - (i) Conductor to Ins : 10 - 30 N
 - (ii) Shield to sheath : 15 - 35 N
- ✓ Return Loss (RL) :
 - (i) 0.1GHz - 6.04Hz - 20 dB
 - (ii) 6GHz - 9GHz - 15dB Nom.
- ✓ Velocity of propagation ≈ 60% of speed of light.

Features

- ✓ Easy to Install.
- ✓ Reduces electromagnetic interference (EMI).
- ✓ Light weight & Compact.
- ✓ High flexibility.
- ✓ Resistant to vibrations, oil, fuel, abrasion and mechanical stress.

Automotive Cables SieCar 105-302-4

2D View

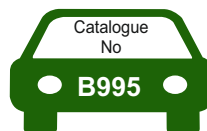


Approvals	Accreditations	Certifications

Part Number	Conductor Construction				Insulation Thickness (Nom)	Core Diameter (Nom)	Shielding (Nom)	Braiding Wire Diameter (Nom)	Diameter Over Braiding (Nom)	Outer Sheath Thickness (Nom)	Overall diameter (Nom)	Weight Approx.	Conductor Resistance at 20°C (Max.)
	Size	No. of Strands	Strand dia Nom.	Conductor Diameter Approx.									
B995050004	Sq.mm	Nos.	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
	0.35	7	0.254	0.76	0.65	2.05 ± 0.05	0.035	(16x7) 0.10	2.6	0.35	3.3±0.10	18	53

Frequency (GHz)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5
Attenuation (dB/100m) Nom.	17.9	21.1	30.3	37.0	43.7	48.9	53.6	60.5	66.3	70.5	74.0	79.7
Frequency (GHz)	2.8	3.0	3.5	4.0	4.5	5.0	5.5	5.6	6.0			
Attenuation (dB/100m) Nom.	84.4	88.1	96.6	104.2	112.3	120.4	127.8	129.3	134.9			

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



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