Siechem
Wires & Cables

Siechem Automotive SieCar 105-302-3 Cable

Application

- ✓ Wireless and antenna application
- ✓ Used for interior lines for monitoring system, CCTV feeder lines, wiring between the camera and control unit and video signal transmission.
- ✓ Automotive radio antennas
- ✓ Used for high-frequency signal transmission

Product Construction

- ✓ Conductor : Annealed Bare Stranded Copper Conductor
- ✓ Insulation : Foamed PP, Natural
- ✓ Shielding : Aluminium mylar tape
- ✓ Braiding : ATC
- ✓ Sheath : Lead Free PVC, black

Technical Data

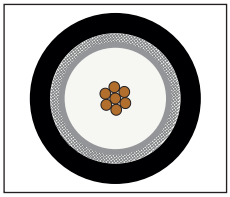
- ✓ Temperature : -40°C to + 105°C (3000hrs)
- ✓ Max. Operating Voltage : 60V (DC)
- ✓ Max. Mutual Capacitance @ 1 kHz : 92 pF/m (Core-Core)
- ✓ Characteristic Impedance : 50 ± 3Ω
- ✓ Velocity Ratio : 78%
- ✓ Min. Bending radius : 5 x Cable OD (Single)
  15 x Cable OD (Multiple)
- ✓ Stripping force :
  (i) Conductor to core :10 - 30 N
  (ii) Shield to sheath : 8 - 25 N

Features

- ✓ Supports High Bandwidth Levels, Easy to Install Resistant to physical damage, Less susceptible to noise interference compare to twisted pair.
- ✓ Highly resistant to EMI.
- ✓ Noise immunity due to a low error rate.

Automotive Cables SieCar 105-302-3

2D View



Approvals	Accreditations	Certifications

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Part Number	Conductor Construction				Diameter Over Insulation Thickness (Nom)	Braiding Wire Diameter (Nom)	Diameter Over Braiding (Nom)	Outer Sheath Thickness (Nom)	Overall diameter (Nom)	Weight Approx.	Conductor Resistance at 30°C
	Size	No. of Strands	Strand dia Nom.	Conductor Diameter Approx.							
	Sq.mm	Nos.	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
B995710004	0.40	7	0.27	0.81	2.10(+0.05,-0.10)	0.10	2.7	0.35	3.3±0.20	18	48.5

Freq. (GHz)	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.8	2.0	2.2
Attenuation (dB/100m) Max.	21.1	30.3	37.0	43.7	48.9	53.6	60.5	66.3	70.5	74.0

Freq. (GHz)	2.5	2.8	3.0	3.5	4.0	4.5	5.0	5.5	5.6	6.0
Attenuation (dB/100m) Max.	79.7	84.8	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.

Catalogue Number
B995

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