

Siechem Automotive SieCar 105-462 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 : Copper Clad steel Conductor
- ✓ Insulation : XPE, Natural
- ✓ Shielded : Double Sided Aluminium Tape (Duofoil)
- ✓ Braiding : ATC
- ✓ Sheath : PVC, Black or Customer request

Technical Data

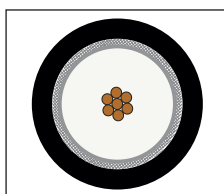
- ✓ Temperature : -40°C to +105°C (3000 hrs)
- ✓ Voltage :60 VDC
- ✓ Impedance : 50 ± 3 Ω
- ✓ Max. Capacitance : 106 pF/m
- ✓ Nom. Velocity Ratio : 66%
- ✓ Min Bending Radius :
 - (i) Single : 5 x Cable OD
 - (ii) Multiple : 10 x Cable OD
- ✓ Stripping Force :
 - (i) Conductor to core 15-35N
 - (ii) Shield to sheath : 15-35N

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 105-462**

2D View



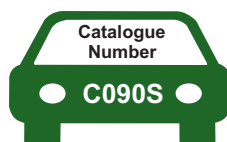
Approvals Accreditations Certifications



| Part Number | Conductor Construction | | | | Insulation Core Diameter (Nom) | Braiding wire Diameter (Nom) | Diameter Over Braiding (Nom) | Outer Sheath Thickness (Min) | Overall Diameter (Nom) | Weight Approx. | Conductor Resistance at 20°C (Max) |
|--------------|------------------------|----------------|-----------------|-------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|------------------------|----------------|------------------------------------|
| | Size | No. of Strands | Strand dia Nom. | Conductor Diameter Max. | | | | | | | |
| C090SA260004 | Sq.mm | Nos. | mm | mm | mm | mm | mm | mm | mm | kg/km | Ω/km |
| | 0.14 | 7 | 0.16 | 0.48 | 1.52 ± 0.05 | 0.10 | 2.05 ± 0.1 | 0.32 | 2.8 ± 0.1 | 12 | 317 |

| Freq. (GHz) | 0.1 | 0.2 | 0.4 | 0.5 | 0.6 | 0.75 | 0.8 | 1.0 | 1.2 | 1.5 | 1.8 | 2.0 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Attenuation (dB/100m) Nom. | 27.6 | 38.6 | 53.2 | 60.5 | 66.9 | 76.5 | 78.6 | 88.0 | 97.3 | 109.5 | 121.0 | 128.6 |
| Freq. (GHz) | 2.2 | 2.25 | 2.5 | 2.8 | 3.0 | 3.5 | 3.75 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 |
| Attenuation (dB/100m) Nom. | 136.8 | 138.5 | 147.4 | 156.7 | 161.7 | 175.0 | 181.0 | 187.0 | 201.0 | 213.0 | 226.0 | 238.0 |

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



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