

Siechem SieCar 105-462 Coaxial 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 : Stranded copper covered steel wire
Conductor - (40% iACS)
- ✓ Insulation : XPE, Natural
- ✓ Shielded : Double Sided Aluminium Tape (Al - PET - Al) (Duofoil) (100% coverage).
- ✓ Braiding : ATC - EN 13602 (80% coverage).
- ✓ Sheath : PVC, Black or Customer request

Technical Data

- ✓ Temperature : -40°C to +105°C (3000 hrs)
- ✓ Operating voltage :60 VDC
- ✓ Characteristics Impedance : 50 ± 3 Ω
- ✓ Max. Capacitance at 1KHz : 106 pF/m
- ✓ Nom. Velocity Ratio : 66%
- ✓ Min Bending Radius :
(i) Single : 3 x Cable OD
(ii) Multiple : 10 x Cable OD
- ✓ Stripping Force :
(i) Conductor to core 15-35N
(ii) Shield to sheath : 15-35N

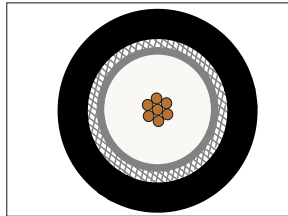
Features

- ✓ Supports High Bandwidth Levels
- ✓ Easy to Install
- ✓ Chemical resistance
- ✓ 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



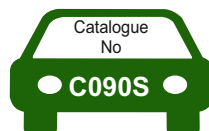
Approvals Accreditations Certifications



Part Number	Conductor Construction				Insulation Thickness (Nom)	Insulation Core Diameter (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 Nom.								
C090SA260004	Sq.mm	Nos.	mm	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
	0.14	7	0.16	0.48	0.49	1.52 ± 0.05	(16x4) 0.10	2.05 ± 0.1	0.32	2.8 ± 0.1	12.4	317

Frequency (GHz)	0.1	0.2	0.5	0.75	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.25
Nom. Attenuation (dB/100m)	27.6	38.6	60.5	76.5	78.6	88.0	97.3	109.5	121.0	128.6	136.8	138.5
Frequency (GHz)	2.5	2.8	3.0	3.5	3.75	4.0	4.5	5.0	5.5	6.0		
Nom. Attenuation (dB/100m)	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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