

**Siechem SieCar FL09YHBCYW Copper Foil Tape Coaxial Cable**

**Application**

- ✓ Automotive high-speed data communication.
- ✓ ADAS & infotainment systems.
- ✓ ECU & control unit.
- ✓ EMI/EMC sensitive applications.
- ✓ EV & hybrid electric systems.
- ✓ Industrial & control systems.

**Product Construction**

- ✓ Conductor : Annealed Tinned Copper  
Conductor acc to EN 13602
- ✓ Insulation : Foamed Polypropylene (PP)
- ✓ Foil Screen : Copper Tape(Parallel)
- ✓ Braiding : ATC (Nom. Coverage 92%)  
DIN EN 13602
- ✓ Sheath : PVC- Black,Grey or (Customer request)

**Technical Data**

- ✓ Temperature : -40°C to +105°C (3000 hrs)
- ✓ Test Voltage : 1.0 kV for 1 minute
- ✓ Impedance : 50 ± 3 Ω
- ✓ Capacitance : 83 ± 4 pF/m
- ✓ Max. Shielding Resistance at : 20°C : 25.7Ω/Km
- ✓ Insulation Resistance : 1000 mkm
- ✓ Velocity of propagation ≈ 66% to 70% speed of light.

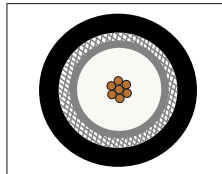
**Features**

- ✓ High speed data transmission.
- ✓ Excellent signal integrity.
- ✓ Wide temperature performance.
- ✓ Mechanical strength & durability.
- ✓ Chemical & fluid resistance.
- ✓ Flame retardant.

Automotive  
Cables

SieCar  
FL09YHBCYW

**2D View**



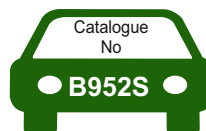
**Approvals Accreditations Certifications**



Part Number	Conductor Construction				Insulation Core Diameter (Nom)	Copper Foil Max.	Braiding wire Diameter (Max)	Diameter Over Braiding (Max)	Outer Sheath Thickness (Min/Nom)	Overall Diameter (Nom)	Weight Approx. kg/km	Conductor Resistance at 20°C Ω/km
	Size	No. of Strands	Strand dia Max.	Conductor Diameter Nom								
B952S020004	Sq.mm	Nos.	mm	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
	0.22	7	0.22	0.6±0.03	1.6 ± 0.10	1.8	0.11	2.2	0.31/0.40	3.0 ± 0.2	16	89.4

Frequency (MHz)	10	50	87	100	108	200	240	400	500	900
Attenuation RT(dB/100ft) Nom.	2.0	4.1	5.4	5.8	6.0	8.3	9.0	11.9	13.5	18.5
Frequency (MHz)	1000	1400	1450	1500	1600	2500	3000	4000	5000	6000
Attenuation RT(dB/100ft) Nom.	19.6	23.6	24.0	24.4	25.4	32.5	36.3	43.0	49.8	56.3
Attenuation 95°C/4hrs Max (dB/100ft)	2.3	4.7	6.1	6.7	6.9	9.6	10.5	13.8	15.6	21.4
Attenuation 105°C/4hrs (dB/100ft) Max.	2.4	4.8	6.2	6.8	7.0	9.7	10.6	13.9	15.7	21.5
Attenuation 95°C/4hrs Max (dB/100ft)	22.6	27.4	27.8	28.4	29.4	37.9	42.4	50.0	57.1	64.4
Attenuation 105°C/4hrs (dB/100ft) Max.	22.8	27.6	28.1	28.6	29.6	38.4	42.9	50.8	58.3	65.3

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



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