

Siechem SieCar FL09YBCY Flat Data Cable

Application

- ✓ High speed data transmission between camera modules and displays / infotainment system
- ✓ Suitable for driver assistance system (ADAS).
- ✓ FL09YBCY Flat Coaxial cable is mainly used in automotive

Product Construction

- ✓ Conductor : Annealed Tinned Copper
Conductor acc. to DIN EN 13602
- ✓ Insulation : Foamed Polypropylene (PP)
- ✓ Core Identification : Green (RAL 6018) & White (RAL 9010).
- ✓ Foil Screen : Double Sided Aluminium Tape (duofoil) (Al -PETP Al Foil) (Overlap min. 20%).
- ✓ Braiding : ATC (90% Coverage) (16 x 6 x 0.1mm)
- ✓ Sheath : PVC, Class B
- ✓ Sheath Colour : Black (or) as per customer request

Technical Data

- ✓ Temperature : -40°C to +105°C (3000hrs)
- ✓ Voltage : 60 V
- ✓ Max. Characteristic Impedance : $100 \pm 5 \Omega$ (Data pair) at 500 ps rise time.
- ✓ Capacitance : ≤ 50 pF/m at 1 kHz (Core to Core)
- ✓ Min. Bending Radius
at Single : 5 x Cable OD
at Multiple : 12 x Cable OD
- ✓ Test Voltage (50±12) : Core/core : 1 kV for 3 seconds
Core/Screen : 1 kV for 3 seconds
Sheath : 3.0 kV
- ✓ Tight fit of Sheath : Type 25N / 20 mm (Max. 50N/ 20mm)
- ✓ Velocity of propagation $\approx 70\%$ to 78% speed of light.

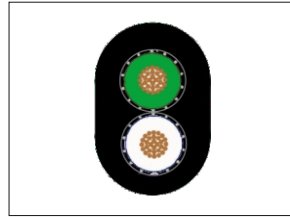
Features

- ✓ Easy to install.
- ✓ Resistant to physical damage vibration and mechanical stress.
- ✓ Highly resistant to EMI.
- ✓ Flexible and lightweight.
- ✓ Low attenuation.

Automotive Cables

FL09YBCY

2D View



Approvals | Accreditations | Certifications



Part Number	Conductor Construction				Insulation Thickness (Min.)	Dia Over Insulation (Min/Max)	Outer Sheath Thickness (Min)	Overall diameter (Min/Max)	Weight Approx.	Conductor Resistance at 20°C (Max)
	No. of Core x Size	No. of Strands	Strand dia Max.	Conductor Diameter Approx.						
B960A2602	Nos x Sq.mm	Nos.	mm	mm	mm	mm	mm	mm	kg/km	Ω /km
	2 x 0.14	7	0.17	0.50	0.28	1.20/1.26	0.26	3.6/4.0	20	125

Frequency (MHz)	100	400	800	1000	1500	2000	2500	3000	3500	4000	4400	5000
Max. Insertion Loss RT IL dB/m	0.31	0.68	1.01	1.16	1.48	1.78	2.05	2.31	2.56	2.79	2.98	3.51
Nom. Insertion Loss at RT IL dB/m	0.24	0.51	0.76	0.86	1.15	1.38	1.59	1.77	1.98	2.20	2.38	2.65

SCREEN ATTENUATION

Frequency (GHz)	≤ 1	≤ 5
Attenuation dB/m	≥ 55	≥ 50

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



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