



Siechem FL9YBCY Type Cable

Application

- ✓ Data cable for automotive comfort systems for static and dynamic installation after validation.
- ✓ Autonomous Driving
- ✓ Driver Assistance Systems
- ✓ Navigation & Infotainment
- ✓ Fond-Entertainment
- ✓ Internet & Mobile Communication

Product Construction

- ✓ Conductor : Annealed Tinned Copper Conductor
- ✓ Insulation : Polypropylene (PP) Class B 100°C
- ✓ Core identification : Brown, Green, Orange, Blue
- ✓ Shielding : Aluminium Mylar Tape (Aluminium outside), (100% Coverage)
- ✓ Braiding : ATC
- ✓ Sheath : Lead Free PVC, Black

Technical Data

- ✓ Temperature : -40°C to +105°C (3000hrs)
- ✓ Test Voltage : 1 kV (AC) for 1 Minute
- ✓ Operating Voltage : 60 V (DC)
- ✓ Capacitance 1 kHz : ≤ 50 pF/m (Core to Core)
- ✓ Characteristic Impedance : 100 ± 6 Ω
- ✓ Intra Pair Skew & Inter Pair Skew : ≤ 250 ps/10m
- ✓ Min. Bending Radius :
 - (i) Single : 5 x Cable OD
 - (ii) Multiple : 10 x Cable OD
- ✓ Min. Shielding Effectiveness :
 - (i) at 20 MHz : ≥ 55 dB
 - (ii) 20 MHz to 1 GHz : ≥ 40 dB
- ✓ FL : Automotive Cable
- ✓ 9Y : Polypropylene
- ✓ B : Foil Screen
- ✓ C : Braiding
- ✓ Y : Lead Free PVC

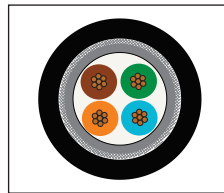
Features

- ✓ Recyclability
- ✓ Extra Flexible
- ✓ Heat Resistant
- ✓ Flame Resistant
- ✓ Steady Impedance
- ✓ Lowest Alien NEXT
- ✓ Excellent Coupling Resistance
- ✓ Superior Environmental Properties
- ✓ Very Good Transmission Properties
- ✓ Outstanding Shield Attenuation Properties

Automotive Cables

FL9YBCY

2D View



Approvals	Accreditations	Certifications

Part Number	Conductor Construction				Insulation Thickness (Nom)	Diameter Over Insulation (Nom)	Braiding wire dia (Nom)	Diameter Over Braiding (Nom)	Outer Sheath Thickness (Nom)	Overall Diameter (Nom)	Weight Approx.	Max. Conductor Resistance at 20°C
	No. of Core x Size	No. of Strands	Strand dia Nom.	Conductor Diameter Approx.								
B937A2604	4 x 0.14	7	0.16	0.48	0.36	1.20 ± 0.05	0.10	3.40 ± 0.20	0.60	4.60 ± 0.20	34	125

Note : Brown - RAL 8003, Green - RAL 6018, Orange - RAL 2003 & Blue - RAL 5015

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

Frequency (MHz)	1	10	50	100	400	500	1000
Max. Attenuation (dB/100m) at 20°C	4	10	23	33	71	81	124



www.siechem.com