

Siechem Automotive SieCar 125-547 Data Cable

Application

- ✓ An automotive Ethernet cable used in vehicles for high-speed data transmission between electronic control unit (ECU's). It is designed for 100BASE-IT Ethernet communication in automotive networks.
- ✓ Used in radar sensors, cameras and safety systems that require reliable high-speed data transfer.
- ✓ Connects multimedia displays, navigation systems and entertainment units inside vehicles.

Features

- ✓ High speed data transmission.
- ✓ Protection against external noise and signal interference.
- ✓ Low attenuation and EMI protectivity.
- ✓ Supports 100Mbps Ethernet.

Product Construction

- ✓ Conductor : Annealed Stranded Tinned Copper Conductor.
- ✓ Insulation : PP.
- ✓ Core identification : Green & White.
- ✓ Separator Tape.
- ✓ Sheath : TPE-S, Black.

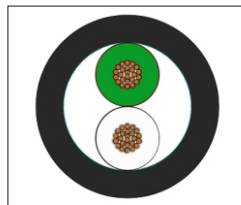
Technical Data

- ✓ Operating Temperature : -40°C to + 125°C (3000hrs)
- ✓ Test Voltage : 1 kV (AC) for 1 minute.
- ✓ Operating Voltage : 60V (DC)
- ✓ Velocity of propagation ≈ 66% - 70% of speed of light
- ✓ Characteristic Impedance : 100 ± 10 Ω
- ✓ Thermal overload (6hrs) : Max +155°C.
- ✓ Bending radius : 3 x Cable OD (single)
15 X Cable OD (Multiple)

Automotive Cables

SieCar 125-547

2D View



Approvals	Accreditations	Certifications

Part Number	Conductor Construction				Insulation Thickness (Nom)	Insulation Core Diameter (Nom)	Sheath Thickness (Min/Nom)	Overall Diameter (Nom)	Weight Approx.	Conductor Resistance at 20°C (Max)
	No. of Core x Size	No. of Strands	Strand dia (Nom)	Conductor Diameter (Nom)						
TB6990102	Nos x Sq.mm	Nos.	mm	mm	mm	mm	mm	kg/km	Ω/km	
	2 x 0.13	7	0.154	0.48	0.18	0.82 ± 0.05	0.55/0.75	3.20 ± 0.20	12	180

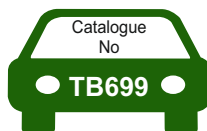
Note : XX* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

Frequency (MHz)	1	10	20	33	66
Insertion loss (dB/m) Max.	0.06	0.16	-	0.31	0.45
Return loss (dB) Min.	20	-	20	-	14.8

Frequency (MHz)	1	50	200
Min. Longitudinal Conversion Transfer loss (dB).	46	46	34
Min. Longitudinal Conversion loss (dB)	46	46	34

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



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