

# CAT5E350-SIAM **PRODUCT SPECIFICATIONS**

**Description:** Dual Category 5e unshielded four twisted pair Horizontal Cable jacketed in a siamese construction with PVC. Extended Testing to 350 MHz

**Standards/Listings:** ANSI/TIA/EIA 568C.2 Category 5e Swept to 350 MHz, ISO/IEC 11801 Category 5e, NEC Article 800, UL 1666: CM FT4, ET L Electrically Verified to ANSI/TIA/EIA 568C.2 Category 5e, C(ETL)US CM, RoHS Compliant

**Applications:** Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM. Wideband, and Ethernet 1000BASE-T.

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## CONSTRUCTION

<b>Conductor:</b>	24 AWG Solid Bare Copper
<b>Number of Conductors or Pairs:</b>	4 Pair
<b>Jacket Material:</b>	Polyvinyl Chloride
<b>Nominal Overall Cable Diameter:</b>	Minor: 0.185 inch (4.699 mm) Major: 0.395 inch (10.033 mm)
<b>Approximate Cable Weight:</b>	50 lb/1,000 ft.

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## ELECTRICAL & PHYSICAL PROPERTIES

<b>Temperature Rating:</b>	Installation: 0°C to 50°C Operation: -10°C to 60°C
<b>Velocity of Propagation:</b>	70%
<b>Mutual Capacitance:</b>	14 pF/ft Nominal
<b>Capacitance Unbalance:</b>	330 pF/ft Maximum
<b>Maximum Conductor D.C.R.:</b>	28.6Ω/1,000 ft
<b>Maximum D.C.R. Unbalance:</b>	5%
<b>Maximum Delay Skew:</b>	18.0ns/100m
<b>Maximum Propagation Delay Skew:</b>	5.7ns/100m
<b>Characteristic Impedance:</b>	From 0.772 MHz — 100 MHz 100 ± 15% From 101 MHz — 250 MHz 100 ± 22% From 251 MHz—350 MHz 100 ± 32%
<b>Maximum Installing Tension:</b>	25 lb
<b>Insulation Colors:</b>	Blue paired with White/Blue Orange paired with White/Orange Green paired with White/Green Brown paired with White/Brown