

CAT6-SIAM-B1000

PRODUCT SPECIFICATIONS

Description:	Dual Category 6 Horizontal Cable, 23AWG Non-Plenum, unshielded four twisted pairs jacketed in a siamese construction with PVC.
Ratings/Approvals:	NEC Article 800, UL 1666:CM Rating FT4, ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 6, C(ETL)US, RoHs Compliant
Applications:	Supports all category 6 applications including Ethernet 1BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth application such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

CONSTRUCTION

Conductor:	23 AWG Solid Bare Copper
Number of Conductors or Pairs:	4 Pair
Jacket Material:	Polyvinyl Chloride
Nominal Overall Cable Diameter:	Minor: 0.230 in. (5.842 mm) Major: 0.485 in. (12.319 mm)
Approximate Cable Weight:	98 lb/1,000 ft.

ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating:	Installation: 0°C to 50°C Operation: -20°C to 60°C
Velocity of Propagation:	70%
Mutual Capacitance:	14 pF/ft Nominal
Capacitance Unbalance:	330 pF/ft maximum
Maximum Conductor D.C.R.:	28.6Ω/1,000 ft
Maximum D.C.R. Unbalance:	5%
Maximum Delay Skew:	18 ns/100m
Characteristic Impedance:	From 0.772 MHz - 100 MHz 100 ± 15% From 101 MHz - 250 MHz 100 ± 22%
Minimum bend radius:	1.0 in.
Insulation Colors:	Blue paired with White/Blue Orange paired with White/Orange Green paired with White/Green Brown paired with White/Brown