



PRODUCT SPECIFICATIONS

CAT5E350-BK-R

Description:	Unshielded four twisted pair Category 5e Enhanced Horizontal Cable with a PVC jacket.
Standards/Listings:	ANSI/TIA/EIA 568B.2.1 Category 5e Swept to 350 MHz, ISO/EIC 11801 Category 5e, NEC Article 800, UL 1666: CMR Riser, ETL Electrically Verified to ANSI/TIA/EIA 568B.2.1 Category 5e, C(ETL)US CMR, RoHS Compliant
Applications:	Supports all category 5 applications including Ethernet 100BASE-TX, 100BASE -VG and 155 ATM. Particularly suited as 622 ATM. Wideband, and Ethernet 1000BASE -T.

CONSTRUCTION

Conductor:	24 AWG Solid Bare Copper
Number of Conductors or Pairs:	4 Pair
Jacket Material:	Polyvinyl Chloride
Nominal Overall Cable Diameter:	0.185 inch (4.699 mm)
Approximate Cable Weight:	20 lb/1,000 ft.

ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating:	Installation: 0°C to 50°C Operation: 10°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:	45.0ns/100m
Maximum Propagation Delay Skew:	5.7ns/100m
Characteristic Impedance:	From 0.772 MHz— 100 MHz 100 ± 15% From 101 MHz— 250 MHz 100 ± 22% From 201 MHz—350 MHz 100 ± 32%
Maximum Installing Tension:	25 lb
Minimum Bending Radius:	1.0 inch
Insulation Colors:	Blue paired with White/Blue Orange paired with White/Orange Brown paired with White/Brown Green paired with White/Green



PRODUCT SPECIFICATIONS

CAT5E350-BK-R

ELECTRICAL CHARACTERISTICS

Frequency MHz	SRL dB Minimum	Return Loss dB Minimum	Attenuation dB(100m) Maximum	NEXT dB Minimum	PS-NEXT dB Minimum	ELFEXT dB Minimum	PS-ELFEXT dB Minimum	ACR dB Minimum	PS-ACR dB Minimum
1	23.0	20.0	2.0	65.3	62.3	63.8	60.8	63.3	60.3
4	23.0	20.3	4.0	56.3	53.3	51.7	48.7	52.3	49.3
8	23.0	20.5	5.7	51.8	48.8	45.7	42.7	46.1	43.1
10	23.0	25.0	6.4	50.3	47.3	43.8	40.8	43.9	40.4
16	23.0	25.0	8.2	47.3	44.3	39.7	36.7	39.1	36.1
20	23.0	25.0	9.2	45.8	42.8	37.7	34.7	36.6	33.6
25	22.0	25.0	10.4	44.3	41.3	35.8	32.8	33.9	30.9
31.25	21.1	23.6	11.7	42.9	39.9	33.9	30.9	31.2	28.2
62.5	18.1	21.5	16.9	38.4	35.4	27.8	24.8	21.5	18.5
100	16.0	20.1	21.9	35.3	32.3	23.8	20.8	13.4	10.4
250	12.0	17.3	36.8	34.3	32.3	15.8	12.8	-----	-----
300	11.2	16.8	40.9	33.2	31.2	14.2	11.2	-----	-----
350	10.6	16.3	44.8	32.2	30.2	12.9	9.9	-----	-----