



Category 5E 350 MHz Non-Plenum

ETL verified for guaranteed performance

Part No.: 5AE244UTPR

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

Construction Details:

No.24 AWG (.50mm) solid copper conductor insulated with polyethylene. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core is jacketed with a flame retardant PVC.

Color Code:

Pair	Color Code
1	Blue with White
2	Orange with White
3	Green with White
4	Brown with White

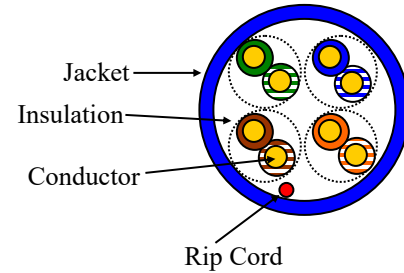
Surface Print: ETL VERIFIED CAT5E TO TIA-568C.2..XXXXX*CAT5E 24AWG 4UTP CMR FT4 C(ETL)US ENHANCED (MONTH/YEAR OF MANUFACTURE)

*"XXXXXX" Represents ETL Control Number

Footage Marking: Sequential Footage Marking to be 1000' on the outside of the package and 0' on the inside of the package every 2'

Electrical Parameters:

Mutual Capacitance:	14 pF/ft Nominal
Capacitance Unbalance:	330 pF/ft Maximum
Velocity of Propagation:	70%
Max. Conductor D.C.R.:	28.6 ohm/1000 feet
Max. DCR Unbalance:	5%
Max. Delay Skew:	45.0 ns/100m
Max. Propagation Delay Skew:	5.7 ns/100m
Characteristic Impedance:	from 0.772 – 100 MHz 100Ω ± 15%
	from 101– 200 MHz 100Ω ± 22%
	from 201– 350 MHz 100Ω ± 32%



Technical Details

Temperature Rating

Installation: -0°C to 50°C

Operation: -10°C to 60°C

Nominal Overall Diameter: 0.185 in.

Nominal Cable Weight: 20 lb/1000 feet

Maximum Installing Tension: 25 lb

Minimum Bending Radius: 1.0 in.

Standards

- ANSI/TIA/EIA 568C.2 Category 5e
- ISO/IEC 11801 Category 5e
- National Electric Code – Article 800

Codes & Listings

- UL 1666: CMR rating FT4
- ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 5e
- C(ETL)US CMR



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Electrical Characteristics:

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
	dB	dB	dB(100m)	dB	dB	dB	dB	dB	dB
MHz	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	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	----	----

Preparation For Shipment

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

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