

# Category 5e Shielded Non-Plenum

ETL verified for guaranteed performance  
Made in the USA

Part No.: 5AE244STP

## 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 and is permitted to be installed in cable tray.

## Construction Details:

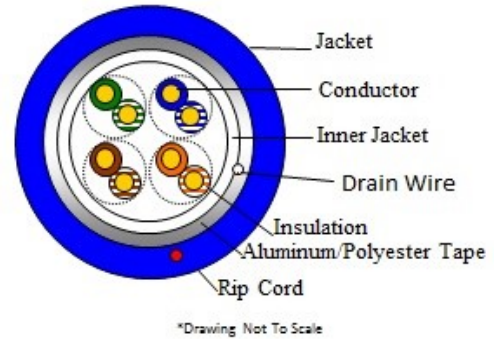
No. 24 AWG solid bare copper conductor insulated with polyethylene. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core has an inner PVC jacket. An overall flame retardant PVC jacket is applied over the shield.

## Color Code:

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

## 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
Characteristic Impedance:	from 0.772 – 100 MHz 100 ± 15%



## Technical Details

### Temperature Rating

Installation:	-0°C to 50°C
Operation:	-20°C to 60°C

Nominal Overall Diameter: 0.255 in.

Nominal Cable Weight: 33 lbs/1,000 feet

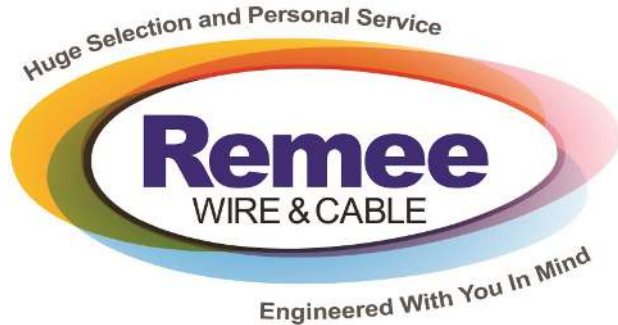
## Standards

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

## Codes & Listings

- CM Rating FT4
- ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 5e
- C(ETL)US CM





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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

### 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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