

# Category 5e 350 MHz Plenum

ETL verified for guaranteed performance  
Made in the USA

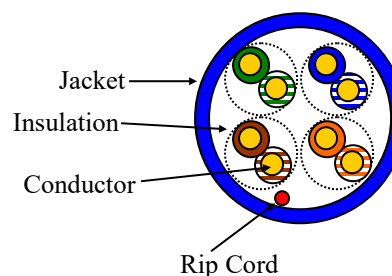
Part No.: 5BE244UTP/350

## 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 solid bare copper conductor insulated with FEP. 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 low smoke, flame retardant PVC.



## 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:  | 72%                            |
| Max. Conductor D.C.R.:    | 28.6 ohm/1000 feet             |
| Max. DCR Unbalance:       | 5%                             |
| Max. Delay Skew:          | 45.0ns/100m                    |
| Characteristic Impedance: | from 0.772 - 100 MHz 100 ± 15% |
|                           | from 101 - 250 MHz 100 ± 22%   |
|                           | from 251 - 350 MHz 100 ± 32%   |

## Technical Details

|                       |                   |
|-----------------------|-------------------|
| Temperature Rating    |                   |
| Installation:         | -0°C to 50°C      |
| Operation:            | -2°C to 60°C      |
| Nominal Diameter:     | 0.185 in.         |
| Nominal Cable Weight: | 22 lbs/1,000 feet |

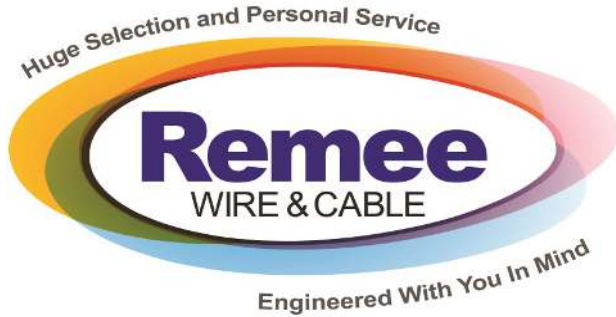
## Standards

- ANSI/TIA/EIA 568C.2 Category 5e
- ISO/IEC 11801 Category 5e
- National Electric Code – Article 800
- UL Standard 444

## Codes & Listings

- CMP Rating FT6
- ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 5e
- C(ETL)US CMP





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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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