

## Spec Part No.: CT6SP

### Applications

Supports all category 6 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

### Construction Details:

No. 23 AWG solid bare copper conductor insulated with FEP. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled around a pair separator to form a core. The core is overall shielded and jacketed with a low smoke flame retardant PVC.

### Surface Print:

STREAMline™ by REMEE ETL VERIFIED CAT6 TO TIA-568.2-D...4PR F/UTP 23AWG C(ETL)US CMP FT6 MM/YY (LOT#)  
MADE IN USA SEQ FT

### Insulation Color Code:

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

### Jacket Colors: - See Table, Page 3

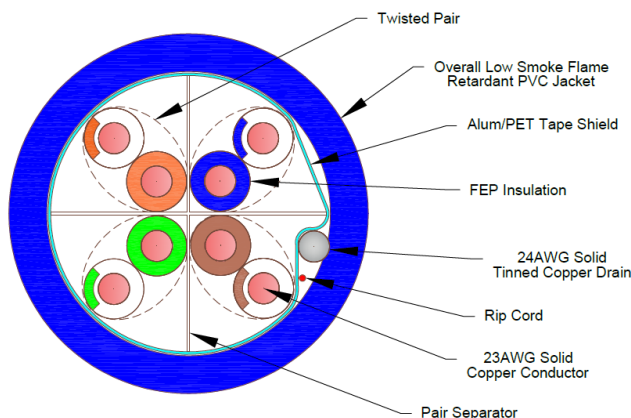
### Electrical Parameters:

Mutual Capacitance:	14 pF/ft nominal
Capacitance Unbalance:	330 pF/100m maximum
Velocity of Propagation:	72%
Max. Conductor D.C.R.:	28.6 ohm/1,000 feet
Max. DCR Unbalance:	5%
Max. Delay Skew:	45.0 ns/100m
Characteristic Impedance:	from 0.772 - 100 MHz 100 ± 15%
	from 101 - 250 MHz 100 ± 22%
	from 251 - 550 MHz 100 ± 32%

Issue Date: 05/25  
Revision: 7

# Category 6 Shielded F/UTP 250 MHz Plenum

ETL verified for guaranteed performance  
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### Technical Details

#### Temperature Rating

Installation: 0°C to 50°C

Operation: -20°C to 75°C

Nominal Diameter: 0.285 in.

Maximum Installing Tension: 25 lbf

Minimum Bending Radius: 2.25 in.

Nominal Cable Weight: 40 lbs/1,000 feet

### Standards

- ANSI/TIA/EIA 568.2-D Category 6
- National Electric Code – Article 800
- ISO/IEC 11801 Category 6
- UL 444 Type CMP

### Codes & Listings

- CMP Rating FT6
- C(ETL)US CMP
- ETL Electrically Verified to ANSI/TIA/EIA 568.2-D Category 6

### Product Part Number

6B234STPENH



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**All warranty information can be viewed at [WWW.REMEE.COM](http://WWW.REMEE.COM).**

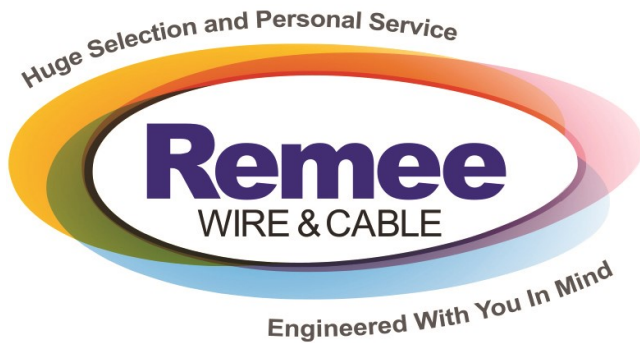
This product is RoHS compliant to directive 2002/95/EC .

1751 State RTE. 17A STE #1 Florida, NY 10921

Customer Service: 800-431-3864

Fax: 845-651-4160

Website: [www.remee.com](http://www.remee.com)



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## Electrical Characteristics:

Frequency MHz	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	20.0	2.0	80.3	78.3	73.8	70.8	78.3	76.3
4	23.0	3.8	71.3	69.3	61.8	58.8	67.5	65.5
10	25.0	6.0	65.3	63.3	53.8	50.8	59.3	57.3
16	25.0	7.6	62.2	60.2	49.7	46.7	54.6	52.6
20	25.0	8.5	60.8	58.8	47.8	44.8	52.3	50.3
31.25	23.6	10.7	57.9	55.9	43.9	40.9	47.2	45.2
62.5	21.5	15.4	53.4	51.4	37.9	34.9	38.0	36.0
100	20.1	19.8	50.3	48.3	33.8	30.8	30.5	28.5
200	18.0	29.0	45.8	43.8	27.8	24.8	16.8	14.9
250	17.3	32.8	44.3	42.3	25.8	22.8	11.5	9.5
300	16.8	36.4	43.1	41.1	24.3	21.3	---	---
350	16.3	39.8	42.1	40.1	22.9	19.9	---	---
400	15.9	43.0	41.3	39.3	21.8	18.8	---	---
500	14.8	49.5	40.2	38.2	20.0	17.0	---	---
550	14.4	53.1	39.5	37.5	18.9	15.9	---	---

\*Values above 250 MHz are for engineering information only

## **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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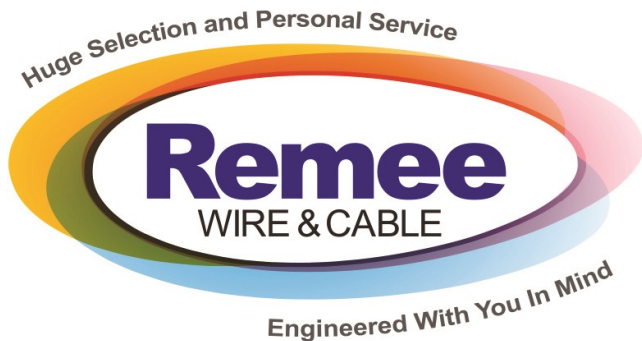
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## Specific Part Number Information for Length, Put-Up & Jacket Color:

Available Length's and Put-Up's — **M1** for 1,000' reel; **B2** for 2,000' reel; **B3** for 2,500' reel; **B5** for 5,000' reel

Available Stock Jacket Color — **O** for Blue, **B** for Black, **W** for White, **Z** for Orange  
(Other Colors Available with Minimum Order Quantities)

The 3-place designator is placed at the end of the part number to describe specific packaging, length and jacket color.

**Note:** While Remee Products Corp. has made every reasonable effort to ensure the accuracy of the information in this document, Remee Products Corp. reserves the right to make any adjustments to the information contained herein at any time without notice. Remee Products Corp. expressly disclaims all implied warranties regarding the information contained herein, including but not limited to, any implied warranties of merchantability or fitness for particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice.

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order. The Remee Wire & Cable warranty is an integral part of this specification. This item may be non-cancelable and non-returnable.

Signature: \_\_\_\_\_

Company: \_\_\_\_\_

Date: \_\_\_\_\_



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