



# Category 6 Enhanced 550 MHz Plenum

ETL verified for guaranteed performance  
Made in the USA

## Part No.: 6BNS

### Applications

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

### Construction Details:

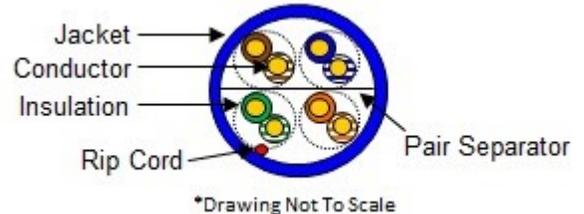
No. 23 AWG solid bare copper conductor insulated with FEP. Two colored mated insulated conductors twisted together to form a pair and four pairs with a tape separator assembled to form a core. The core is jacketed with a low smoke flame retardant PVC.  
Surface Print: ETL VERIFIED CAT6 TO TIA-568C.2...3122598  
CMP 23AWG 4UTP 550 MHZ C(ETL)US MADE IN USA + Sequential Footage Marking

### 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/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%



### Technical Details

Temperature Rating	Installation	0°C to 50°C
	Operation	-10°C to 75°C
Nominal Diameter		0.220 in.
Nominal cable weight:		29 lb/1000 feet

### Standards

- ANSI/TIA/EIA 568C.2 Category 6
- UL Subject 444
- UL 910

### Codes & Listings

- CMP rating FT6
- ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 6
- C(ETL)US CMP

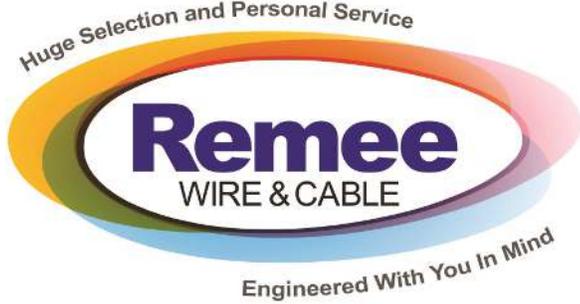


Issue Date: 04/18  
Revision: 6

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

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Date: \_\_\_\_\_



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