"Cables Engineered with You in Mind"

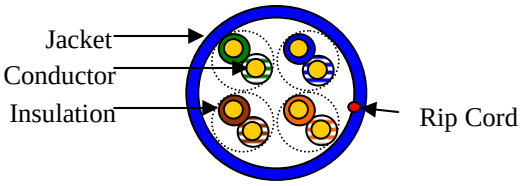
Category 6 550 MHz Plenum

Part No.: 6BNS

ETL verified for guaranteed performance
Made in the USA

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 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

Technical Details

Temperature Rating	
Installation	0°C to 50°C
Operation	-10°C to 60°C
Nominal Diameter	0.200 in.
Nominal cable weight:	29 lb/1000 feet

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:	3%
Max. Delay Skew:	18.0ns/100m
Characteristic Impedance:	from 0.772 – 100 MHz 100 ± 15%
	from 101 - 250 MHz 100 ± 22%
	from 251 - 550 MHz 100 ± 32%

Standards

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

Codes & Listings

- UL 910: CMP rating FT6
- ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 6
- C(ETL)US CMP

MADE IN THE USA

Issue Date: 09/10
Revision: 0

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

PO Box 488 468 RT17A Florida, NY 10921
Customer Service: 800-431-3864 Fax: 845-651-4160 Website: www.remee.com

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Electrical Characteristics:

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

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