

Category 6A Augmented U/UTP 500 MHz Riser

ETL Listed for guaranteed performance
Made in the USA

Spec Part No.: CT6AR

Applications

Supports all category 6A applications including Ethernet 10 Gigabit, 100BASETX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU Digital Audio, AES51, RS-422. Suitable for all PoE protocols up to 802.3bt (Type 4).

Construction Details:

No. 23 AWG copper conductor insulated with polyethylene. 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 jacketed with a flame retardant PVC.

Surface Print:

STREAMline™ by REMEE CAT6A 10GIG 4PR U/UTP 23AWG C(ETL)US CMR FT4 MM/YY (LOT #) MADE IN USA SEQ FT

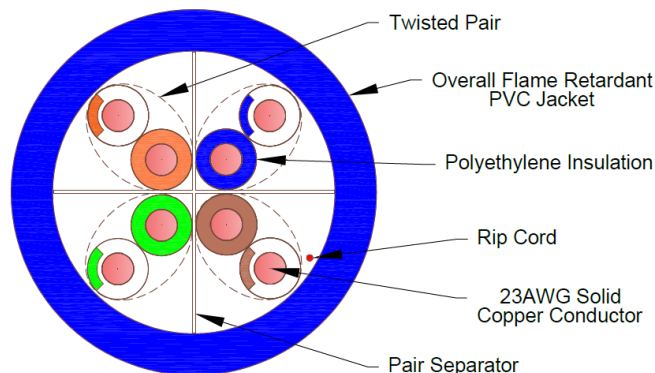
Insulation Color Code:

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:	70%
Max. Conductor D.C.R.:	28.6 ohm/1000 feet
Max. DCR Unbalance:	5%
Max. Delay Skew:	45 ns/100m
Characteristic Impedance:	from 0.772 - 100 MHz 100 ± 15%
	from 101 - 200 MHz 100 ± 22%
	from 201 - 500 MHz 100 ± 32%



Technical Details

Temperature Rating

Installation: 0°C to 50°C

Operation: -20°C to 75°C

Nominal Diameter: 0.265 in.

Maximum Installing Tension: 25 lbf

Minimum Bending Radius: 1.25 in.

Nominal Cable Weight: 35 lbs/1,000 feet

Standards

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

Codes & Listings

- CMR Rating FT4
- C(ETL)US CMR

Product Part Number

6GUARD234UTP



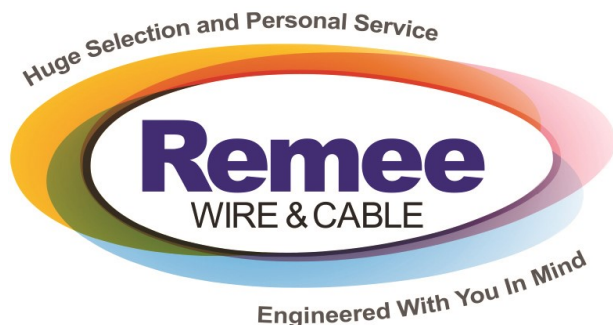
MADE IN THE USA



Issue Date: 05/25
Revision: 6

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 MHz	Return Loss (dB/100m) Minimum	Insertion Loss (dB/100m) Maximum	NEXT (dB/100m) Minimum	PS-NEXT (dB/100m) Minimum	ACRF (dB/100m) Minimum	PS-ACRF (dB/100m) Minimum	Prop. Delay (dB/100m) Maximum	Alien Crosstalk	
								PS ANEXT (dB/100m) Minimum	PS AACRF (dB/100m) Minimum
1	20.0	2.0	74.3	72.3	67.8	64.8	570.0	67.0	67.0
4	23.0	3.8	65.3	63.3	52.8	52.8	552.0	67.0	66.2
8	24.5	5.3	60.8	58.8	46.7	46.7	546.7	67.0	60.1
10	25.0	5.9	59.3	57.3	44.8	44.8	545.4	67.0	58.2
16	25.0	7.4	56.2	54.2	40.7	40.7	543.0	67.0	54.1
20	25.0	8.3	54.8	52.8	38.8	38.8	542.0	67.0	52.2
25	24.3	9.3	53.3	51.3	36.8	36.8	541.2	67.0	50.2
31.25	23.6	10.5	51.9	49.9	34.9	34.9	540.4	67.0	48.3
62.5	21.5	14.9	57.4	45.4	28.9	28.9	538.6	65.6	42.3
100	20.1	19.1	44.3	42.3	24.8	24.8	537.6	62.5	38.2
155	18.8	24.0	41.4	39.4	21.0	21.0	536.9	59.6	34.4
200	18.0	27.5	39.8	37.8	18.8	18.8	536.5	58.0	32.2
250	17.3	31.0	38.3	36.3	16.8	16.8	536.3	56.5	30.2
300	16.8	34.2	37.1	35.1	15.3	15.3	536.1	55.3	28.7
350	16.3	37.2	36.1	34.1	13.9	13.9	535.9	54.3	27.3
400	15.9	40.0	35.3	33.3	12.8	12.8	535.8	53.5	26.2
500	15.2	45.2	33.8	31.8	10.8	10.8	535.6	52.0	24.2

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.



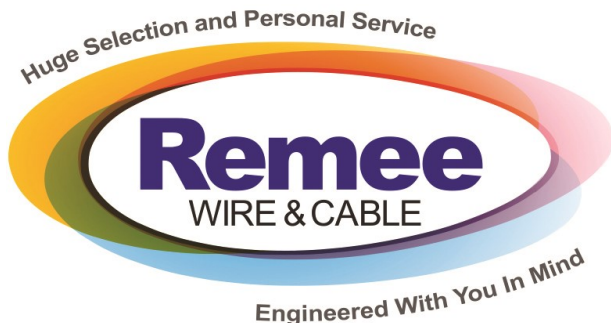
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Specific Part Number Information for Length, Put-Up & Jacket Color:

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.

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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