

ETL Listed for guaranteed performance
Made in the USA

Part No.: 6UARD234UTP

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:

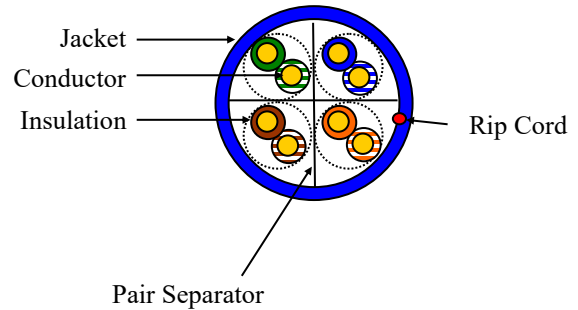
No. 23 AWG copper conductor insulated with polyethylene. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled around a pair separator to form a core. The core is jacketed with a flame retardant PVC.

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: | 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 60°C |

| | |
|-----------------------------|-----------------|
| Nominal Diameter: | 0.255 in. |
| Maximum Installing Tension: | 40.8 lbf |
| Minimum Bending Radius: | 1.250 inch |
| Nominal Cable Weight: | 35 lb/1000 feet |

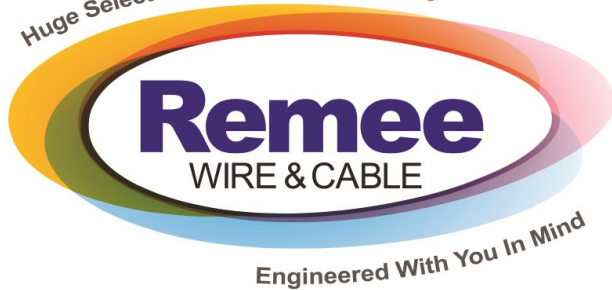
Standards

- ANSI/TIA/EIA 568C.2 Category 6A
- National Electric Code – Article 800
- 11801:2002 Category 6A

Codes & Listings

- CMR Rating FT4
- C(ETL)US CMR





Category 6A Augmented 500 MHz Riser

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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 |
| 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.



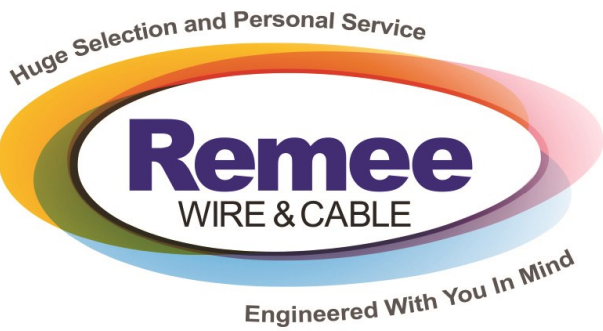
MADE IN THE USA



Issue Date: 05/20
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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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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