

engineered with you in mind

Part No.: 6AFLD

Category 6 Polyethylene Jacket

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 such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

Construction Details:

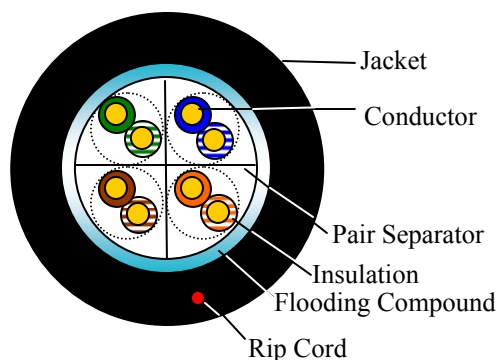
No. 23 AWG copper conductor insulated with polyethylene. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core is flooded with a polyethylene jacket.

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: | 45.0 ns/100m |
| Characteristic Impedance: | from 0.772 - 100 MHz 100 ± 15% |
| | from 100 - 250 MHz 100 ± 22% |



Technical Details

Temperature Rating

Installation 0°C to 50°C

Operation -10°C to 60°C

Nominal Diameter 0.260 in.

Standards

ANSI/TIA/EIA 568C.2 Category 6

Codes & Listings

Non-Listed



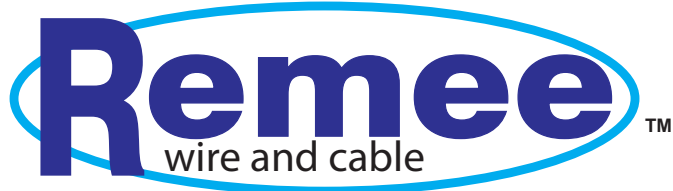
MADE IN THE USA

Issue Date: 05/11
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

It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.



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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 |

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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