



VGS6A™ CAT6A UTP Patch Cable



Applications

The Vericom VGS6A™ Category 6A patch cables support 10GBASE-T, 1000BASE-T (Gigabit Ethernet), 100BASE-T (Fast Ethernet), 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM, Digital video and broadband/baseband analog video, Voice over Internet Protocol (VoIP) and is backwards compatible with Category 5e systems. Compatible with IEEE 802.3af/802.3at (48 cables in a bundle) and 802.3bt type 3 and type 4 (24 cables in a bundle) PoE applications.

Description / Specifications

Vericom VGS6A™ Category 6A Patch Cables are designed to meet and exceed ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E electrical performance requirements for frequencies up to 500 MHz. The patch cables utilize 24AWG stranded conductors in a four pair unshielded configuration for maximum durability. VGS6A Patch Cables are rated CM and meet applications up to 10 Gigabit Ethernet with RJ-45 modular plugs and clear boots.

Available in many lengths and colors to meet specific project requirements. To maximize system performance, combine with Vericom connectivity and bulk cable.

Features & Benefits

- 24 AWG cable design ensures 10 Gigabit performance up to 100 meter channels
- Staggered RJ-45 plug design with 50 microinches of gold plating for maximum system reliability.
- Snagless clear boot design protects the RJ-45 plug, eases MACs, and provides modern aesthetics.
- Stranded conductors with a 0.272" jacket diameter provide flexibility and reduced bend radius in installation from 1 to 30 ft length.
- Well-engineered design to provide passing results every time
- Supports PoE/PoE+ over 100 meter channels with 10 meters of 24 AWG patch cables included in the channel.
- Boot design is shortened to allow easier handling from patch panel to horizontal cable managers

Standards Compliance

- Vericom UL E346149-C
- ISO/IEC 11801
- TIA/EIA-568.2-D
- IEC 61156-5
- UL 1863 and CAN/CSA-C22.2
- ANSI/TIA-1096-A (formerly FCC Part 68)
- Supports IEEE 802.3AF/802.3AT (48 cables in a bundle) and 802.3bt type 3 and type 4 (24 cables in a bundle) PoE applications
- RoHS Compliant



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Ordering Information

| Item Number | Description |
|---------------|---|
| RC6600XXF-MYY | CAT6A Copper Patch Cable, U/UTP, 24 AWG, 4 Pair, Clear Boot |

Specify length by substituting **XX** in Item # for the following:

| | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|
| 01 = 1 ft | 03 = 3 ft | 05 = 5 ft | 06 = 6 ft | 07 = 7 ft | 10 = 10 ft | 15 = 15 ft | 20 = 20 ft | 25 = 25 ft | 30 = 30 ft |
|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|

Specify jacket color by substituting **YY** in Item # for the following:

| | | | |
|-----------|-----------|-----------|-----------|
| BK | BL | GY | WH |
|-----------|-----------|-----------|-----------|

Item # Example: RC6600**01F-MBL** - CAT6A Copper Patch Cable, U/UTP, 24 AWG, 4 Pair, CM Rated, Blue, 1 ft.

Construction

Assembly: 4 twisted pairs, stranded 24 AWG, UTP
Insulation: High density polyethylene
Jacket Dimensions: Nominal Diameter 0.272 in (6.90 mm)

Material: Fire retardant PVC compound
Plug Housing: UL94-V0 Clear Polycarbonate
Contacts: Phosphor bronze, min 50 µin of gold plating

Environmental Conditions

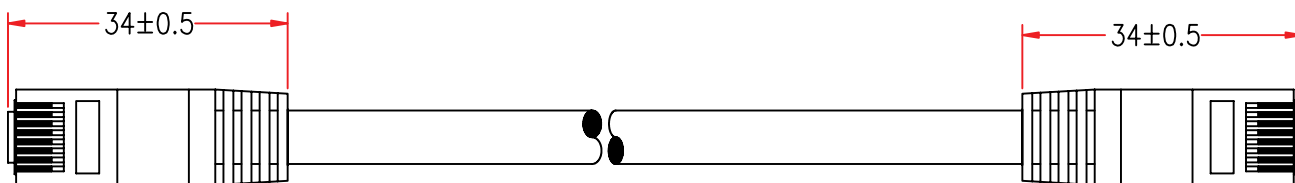
Operating Temperature: 14 °F to 167 °F (-10 °C to 75 °C)

Storage Temperature: 14 °F to 167 °F (-10 °C to 75 °C)

Technical Data

| Frequency (MHz) | Min. Return Loss (dB) | 2 Meter NEXT Loss (near-end crosstalk) | 5 Meter NEXT Loss (near-end crosstalk) | 10 Meter NEXT Loss (near-end crosstalk) |
|-----------------|-----------------------|--|--|---|
| 1.00 | 19.8 | 65.0 | 65.0 | 65.0 |
| 4.00 | 21.6 | 65.0 | 65.0 | 65.0 |
| 8.00 | 22.5 | 65.0 | 65.0 | 64.8 |
| 10.00 | 22.8 | 65.0 | 64.5 | 63.0 |
| 16.00 | 23.4 | 62.0 | 60.5 | 59.1 |
| 20.00 | 23.7 | 60.1 | 58.7 | 57.3 |
| 25.00 | 24.0 | 58.1 | 56.8 | 55.4 |
| 31.25 | 23.0 | 56.2 | 54.9 | 53.6 |
| 62.50 | 20.0 | 50.4 | 49.2 | 48.1 |
| 100.00 | 18.0 | 46.4 | 45.4 | 44.5 |
| 200.00 | 15.0 | 40.7 | 39.9 | 39.3 |
| 250.00 | 14.0 | 38.9 | 38.1 | 37.7 |
| 300.00 | 12.8 | 36.2 | 35.9 | 35.8 |
| 400.00 | 10.9 | 31.9 | 32.1 | 32.5 |
| 500.00 | 9.5 | 28.4 | 29.0 | 29.8 |

Technical Illustration



TECHNICAL SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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