

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 micrometers 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
RC6600 XXF-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
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Specify jacket color by substituting **YY** in Item # for the following:

BK	BL	GY	WH
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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

