

### VGS™ CAT6A 28Flex™ UTP Patch Cable



#### Applications

Vericom 28Flex™ Category 6A Patch Cables support a wide range of network applications, including 10GBASE-T, 1000BASE-T (Gigabit Ethernet), 100BASE-T (Fast Ethernet), 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM, digital and analog video, and VoIP. They are fully backward-compatible with Category 5e systems and suitable for PoE applications, including IEEE 802.3af/802.3at (up to 48-cable bundles) and IEEE 802.3bt Type 3 and Type 4 (up to 24-cable bundles).

#### Description / Specifications

Vericom 28Flex™ Category 6A Patch Cables are engineered to meet and exceed ANSI/TIA-568.2-D Category 6A and ISO/IEC 11801 Class E performance standards, supporting frequencies up to 500 MHz. Each cable features 28 AWG stranded copper conductors in a four-pair unshielded configuration for flexibility and long-term durability. Rated CM and equipped with RJ-45 modular plugs and clear boots, these cables support Ethernet applications up to 10 Gigabit.

Available in a wide range of lengths and colors to accommodate diverse project needs. For optimal performance, pair with Vericom connectivity components and bulk cable.

#### Features & Benefits

- Smaller diameter cable design reduces bundle sizes to improve airflow in high density applications to reduce cooling costs and potentially extend the life of active electronics
- 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 0.157" jacket diameter provide flexibility and reduced bend radius in installation from 6 in to 20 ft length.
- 100% Wire Map and Patch Cable tested for a passing channel every time
- Supports PoE/PoE+ over 92.5 meter channels with 10 meters of 28 AWG patch cables included in the channel.
- Supports PoE/PoE+ over 96 meter channels with 6 meters of 28 AWG patch cables included in the channel.

#### 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

**VGS™ CAT6A 28Flex™ UTP Patch Cable**

Ordering Information

Item Number	Description
RC6620 <b>XXF</b> - <b>MY</b>	CAT6A Copper Patch Cable, U/UTP, 28 AWG, 4 Pair, Clear Boot

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

.5 = 0.5 ft	01 = 1 ft	02 = 2 ft	03 = 3 ft	04 = 4 ft	05 = 5 ft	06 = 6 ft	07 = 7 ft	10 = 10 ft	14 = 14 ft	15 = 15 ft	20 = 20 ft
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Specify jacket color by substituting **YY** in Item # for the following:

<b>BK</b>	<b>BL</b>	<b>GN</b>	<b>GY</b>	<b>OR</b>	<b>PK</b>	<b>PU</b>	<b>RE</b>	<b>WH</b>	<b>YE</b>
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Item # Example: RC6620.**5F**-**MBL** - CAT6A Copper Patch Cable, U/UTP, CAT6A 28 Flex, 4 Pair, CM Rated, Blue, 0.5 ft.

Construction

**Assembly:** 4 twisted pairs, stranded 28 AWG, UTP  
**Insulation:** High density polyethylene  
**Jacket Dimensions:** Nominal Diameter 0.157 in (4.00 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

