



CAT6 28Flex™ UTP Patch Cable



Applications

The Vericom 28Flex™ Category 6 patch cables support 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 28Flex™ Category 6 Patch Cables are designed to meet and exceed ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E electrical performance requirements for frequencies up to 250 MHz. The patch cables utilize 28AWG stranded conductors in a four pair unshielded configuration for maximum durability. 28Flex 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

- 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 0.142" 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



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Ordering Information

Item Number	Description
RC6020 XXF - MY	CAT6 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:

BK	BL	GY	GN	WH	YE
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Item # Example: RC6020.**5F**-**MBL** - CAT6 Copper Patch Cable, U/UTP, CAT6 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 0.142 in (3.60 mm)

Material: Fire retardant PVC compound

Plug Housing: UL94-V0 Clear Polycarbonate

Contacts: Phosphor bronze, min 50 µin of gold plating

Environmental Conditions

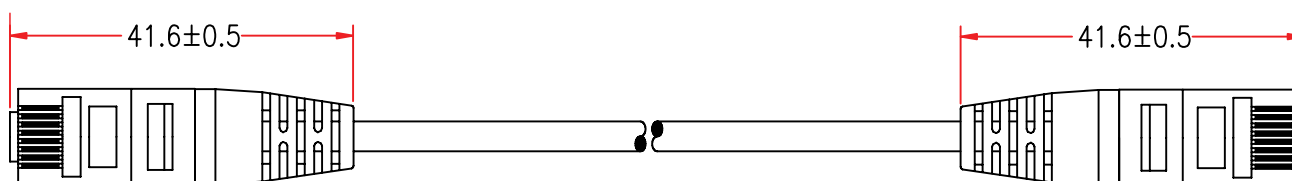
Operating Temperature: 14 °F to 167 °F (-10 °C to 75 °C)

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	65	65
4.00	21.6	65	65	65
8.00	22.5	65	65	64.8
10.00	22.8	65	64.5	62.9
16.00	23.4	62	60.5	59
20.00	23.7	60.1	58.6	57.2
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	45.3	44.4
200.00	15.0	40.6	39.8	39.3
250.00	14.0	38.8	38.1	37.6

Technical Illustration



TECHNICAL SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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