



Category 6 600MHz UTP Unshielded 1000' 8 Conductor, Bulk Cable, PVC Jacket, 23AWG Solid-Bare Copper, Pull Box (ETL). Our bulk cable is marked in descending order so you always know how much cable is left.

Applications

- 10/100/1000Base-T
- 100Base-VG
- Suitable for Category 6 Enhanced High Speed Data Applications
- 155 Mbps And 622-Mbps ATM
- Other High-Performance Applications
 - Backbone
 - Floor-To-Floor Backbone
 - Horizontal Cabling To Desktop

Compliance

- ANSI/TIA-568.2-D Category 6
- CM Rated
- ETL Verified
- RoHS Compliance For The Requirement Of European Union Issued Directive 2002/95/EC
- REACH

Physical Characteristics

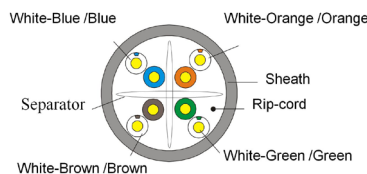
- Conductor Size: 23AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: Polyethylene
- Insulation Diameter: $0.967 \pm 0.03\text{mm}$
- Number Of Conductors: 8 Conductors
- Number Of Pairs: 4 Pairs
- Outer Shield Material: N/A
- Drain Wire: No
- Outer Jacket Material: CM-ETL PVC (Complies RoHS)
- Outer Jacket Diameter: $5.7\text{mm} \pm 0.3\text{mm}$
- Outer Jacket Rip Cord: Yes

CAT 6 600MHz Solid Unshielded Bulk Cable

CAT6



Technical Diagram



Available Jacket Colors

- Black Item# C6U-417BK
- Blue Item# C6U-418BL
- Gray Item# C6U-420GY
- Green Item# C6U-419GR
- White Item# C6U-423WH
- Yellow Item# C6U-424YL
- Red Item# C6U-422RD

Cable Features

- Meets Or Exceeds CAT6 T568.2-D Standards
- Easy To Use Pull Box With Bigger Payout
- Extra Headroom Provides Room For Growth
- Low Attenuation And Power-Sum Crosstalk

Construction Facts

- The PVC Cable Has High Density Polyethylene Insulation
- Longitudinal Rip Cord For Easy Jacket Opening

Cable Put-Ups:

Cable is supplied in 1000ft increments in a pull box.

CAT5E 600MHz Solid Bulk Cable Electrical Specifications

Frequency MHz (Maximum)	ATT dB/100 m (328 ft.) (Maximum)	NEXT dB/100 m (328 ft.) (Minimum)	PS-NEXT dB/100 m (328 ft.) (Minimum)	ACRF dB/100 m (328 ft.) (Minimum)	PS-ACRF dB/100 m (328 ft.) (Minimum)	Return Loss dB (Minimum)	Delay dB (Minimum)
1	1.9	65.0	62.0	64.2	61.2	19.1	521.0
4	3.5	64.1	61.8	52.1	49.1	21.0	504.0
10	5.5	57.8	55.5	44.2	41.2	21.0	498.0
31.25	10.0	50.0	47.5	34.3	31.3	18.5	494.0
62.50	14.4	45.1	42.7	28.3	25.3	17.0	492.0
100	18.6	41.8	39.3	24.2	21.2	16.0	491.0
200	27.4	36.9	34.3	18.2	15.2	14.5	490.0
250	31.1	35.3	32.7	16.2	13.2	10.0	490.0
300	34.6	34.0	31.4	14.6	11.6	9.2	490.0
400	41.1	32.0	29.3	12.1	9.1	8.0	490.0
500	47.1	30.4	27.6	10.2	7.2	7.0	490.0
600	52.7	29.0	26.3	8.6	5.6	6.2	489.0

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CAT 6 600MHz Solid Unshielded Bulk Cable

Pair Color Code Chart

- Pair 1 — White/Blue Stripe & Blue
- Pair 2 — White/Orange Stripe & Orange
- Pair 3 — White/Green Stripe & Green
- Pair 4 — White/Brown Stripe & Brown

Mechanical Characteristics

- Storage Temperature Range: 0 ~ +30°C
- Installation Temperature Range: 0 ~ +50°C
- Operating Temperature Range: -20 ~ +60°C
- Bulk Cable Weight: N/Abs. / 1000FT
- Max. Recommended Pulling Tension: N/A
- Min. Bend Radius/Minor Axis: N/A
- Min. Bend/Installation: N/A
- Test Object: Jacket
- Test Material: PVC
- Before Tensile Strength: ≥ 13.5
 - Aging Elongation: ≥ 150
 - Aging Condition: 100°C x 168hrs
- After Tensile Strength: ≥ 12.5
 - Aging Elongation: ≥ 125
 - Cold Bend: No Visible Cracks (-20°±2°x4h)

Jacket Printing

PRIMUS CABLE UTP 4PR 23AWG CAT6 600MHz
CM ETL VERIFIED TO ANSI/TIA-568.2-D (VID:007) ▲
XXXXFT

Sequential foot markers on jacket.

Electrical Characteristics

- Unbalanced To Ground Capacitance Max: 160 pF/100m
- Nominal Velocity Of Propagation: N/A
- Maximum Delay: 537.60 @ 100MHz (ns/100m)
- Maximum Delay Skew: ≤ 44 (ns/100m)
- Maximum Conductor DC Resistance: 9.38 (@ 20°C Ω /100m)
- Maximum Operating Voltage - UL: 300V RMS
- Maximum DCR Unbalanced: 5% (@ 20°C)
- Attenuation (Maximum)
 - 31.1dB/100m (328.1ft.) @ 250MHz
 - 52.7dB/100m (328.1ft.) @ 600MHz
- 1.0 - 250MHz Impedance: 100 Ω \pm 15%
- NEXT (Minimum)
 - 35.3dB/100m (328.1ft.) @ 250MHz
 - 29.0dB/100m (328.1ft.) @ 600MHz
- PS-NEXT (Minimum)
 - 32.7dB/100m (328.1ft.) @ 250MHz
 - 26.3dB/100m (328.1ft.) @ 600MHz
- Return Loss (Minimum)
 - 10.0dB/100m (328.1ft.) @ 250MHz
 - 6.2dB/100m (328.1ft.) @ 600MHz

Optional CAT6 Solid Modular Plugs

This Unshielded CAT 6 RJ45 Modular Plug was designed to work on CAT6 solid cables. These 8P8C RJ45 connectors have gold plated bronze pins making them resistant to corrosion and wear, while exceeding CAT 6 cable standards.



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