



Category 6 Plenum UTP Unshielded 1000' 8 Conductor, Bulk Cable, CMP 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

- TIA/EIA-568-C.2-10 Category 6
- CMP Plenum Rated
- ETL Listed
- RoHS Compliance For The Requirement Of European Union Issued Directive 2002/95/EC

Physical Characteristics

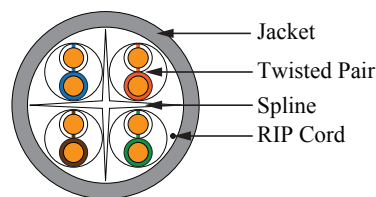
- Conductor Size: 23AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: FEP
- Insulation Diameter: $0.96 \pm 0.01\text{mm}$
- Number Of Conductors: 8 Conductors
- Number Of Pairs: 4 Pairs
- Spline Separator: Yes
- Outer Shield Material: N/A
- Outer Jacket Material: Low Smoke FR-PVC
- Outer Jacket Diameter: $5.80 \pm 0.20\text{mm}$
- Outer Jacket Rip Cord: Yes

CAT 6 600MHz Solid CMP Unshielded Bulk Cable

CAT6



Technical Diagram



Available Jacket Color

- | | |
|--------|------------------|
| Black | Item# C6UP-433BK |
| Blue | Item# C6UP-434BL |
| Gray | Item# C6UP-436GY |
| Orange | Item# C6UP-432OR |
| Purple | Item# C6UP-437PR |
| White | Item# C6UP-439WH |
| Yellow | Item# C6UP-440YL |

Cable Features

- Meets Or Exceeds CAT 6 T568C.2-10 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 FEP Insulation
- Longitudinal Rip Cord For Easy Jacket Opening

Cable Put-Ups:

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

CAT 6 600MHz Solid CMP Unshielded Bulk Cable Electrical Specifications

Frequency MHz (Maximum)	ATT dB/100 m (328 ft.) (Maximum)	ACR dB/100 m (328 ft.) (Maximum)	DELAY ns/100 m (328 ft.) (Minimum)	NEXT dB/100 m (328 ft.) (Minimum)	PS-NEXT dB/100 m (328 ft.) (Minimum)	ELFEXT dB/100 m (328 ft.) (Minimum)	PS-ELFEXT dB/100 m (328 ft.) (Minimum)	Return Loss dB (Minimum)
1	2.0	72.3	570.0	74.3	72.3	67.8	64.8	20.0
4	3.8	61.5	552.0	65.3	63.3	55.8	52.8	23.0
8	5.3	55.5	546.0	60.8	58.8	49.7	46.7	24.5
10	6.0	53.3	545.0	59.3	57.3	47.8	44.8	25.0
16	7.6	48.6	543.0	56.2	54.2	43.7	40.7	25.0
20	8.5	46.3	542.0	54.8	52.8	41.8	38.8	25.0
25	9.5	43.8	541.0	53.3	51.3	39.8	36.8	24.3
31.25	10.7	41.2	540.0	51.9	49.9	37.9	34.9	23.6
62.5	15.4	32.0	538.0	47.4	45.4	31.9	28.9	21.5
100	19.8	24.5	537.0	44.3	42.3	27.8	24.8	20.1
200	29.0	10.8	536.0	39.8	37.8	21.8	18.8	18.0
250	32.8	5.5	536.0	38.3	36.3	19.8	16.8	17.3
300	34.3	N/A	535.0	38.0	35.1	18.5	15.3	14.9
500	45.3	N/A	534.0	34.8	31.8	14.0	10.8	13.0
600	48.5	N/A	534.0	33.6	30.6	12.0	9.2	12.3

PrimusCable.com - (951) 824-1571



CAT 6 600MHz Solid CMP 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: -30~+60
- Installation Temperature Range: -30~+60
- Operating Temperature Range: -30~+60
- Bulk Cable Weight: 35lbs. / 1000FT
- Max. Recommended Pulling Tension: 110N
- Min. Bend Radius/Minor Axis: 23mm
- Min. Bend/Installation: 46mm
- Test Object: Jacket
- Test Material: PVC
- Before Tensile Strength: ≥ 13.8
 - Aging Elongation: $\geq 100\%$
 - Aging Condition: 100°C x 168hrs
- After Tensile Strength: $\geq 75\%$ Of Unaged
 - Aging Elongation: $\geq 75\%$ Of Unaged
 - Cold Bend: No Visible Cracks (-20°C \pm 2°C x 4hrs)

Optional CAT 6 Solid Modular Plugs

This Unshielded CAT 6 RJ45 modular plug was designed to work on CAT 6 solid cables. Our RJ45 connectors are both durable and reliable. These are 8 pin, 8 connector pins. The pins are bronze with gold plating, making them resistant to corrosion and wear, while exceeding the CAT 6 cable standards.



CN1-019-8CUL

RJ11, RJ12 & RJ45 Ratchet Crimping Tool

The right tool makes all the difference, and you can cut, strip and crimp with this one tool.



TL1-115

Electrical Characteristics

- Pair-To-Ground Capacitance Unbalance Max: ≤ 330 (pF/100mm)
- Nominal Mutual Capacitance: 46 (pF/m)
- Nominal Velocity of Propagation: 72%
- Maximum Propagation Delay: 534+36 (ns/100m)
- Maximum Delay Skew: 45 (ns/100m)
- Maximum Conductor DC Resistance: 95(Ω /km) @ 20°C
- Maximum Operating Voltage - UL: 30
- Maximum DCR Unbalanced: 5% (@ 20°C)
- Attenuation (Maximum)
 - 34.3dB/100m (328.1ft.) @ 300MHz
 - 48.5dB/100m (328.1ft.) @ 600MHz
- 1.0 - 250.0MHz Impedance: 100 Ω \pm 15%
- NEXT (Minimum)
 - 38.0dB/100m (328.1ft.) @ 300MHz
 - 33.6dB/100m (328.1ft.) @ 600MHz
- PS-NEXT (Minimum)
 - 35.1dB/100m (328.1ft.) @ 300MHz
 - 30.6dB/100m (328.1ft.) @ 600MHz

Jacket Printing

CAT6 ENHANCED UTP 4PR 75C 23 AWG SOLID 600MHz 4009521
CMP cETLus FT6 LISTED VERIFIED TO ANSI/TIA/EIA-568C.2
(VID:011) MEET RoHS XXXXFT

Optional CAT 6 MIG+ Keystone Jacks

CAT 6 MIG+ High Density Component Rated Jack features an advanced design with rear facing 180 degree 110 IDC for quick and efficient installation. The eight phosphor bronze round pins have 50 micro inch gold plating over 50-60 micro inch nickel plating for optimum signal strength.



- K62-4676/180/BL
- K62-4675/180/BK
- K62-4681/180/RD
- K62-4677/180/GR
- K62-4679/180/IV
- K62-4680/180/OR
- K62-4682/180/WH
- K62-4683/180/YL

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