



Category 6 Plenum UTP 1000' 8 Conductor, Bulk, CMP Jacket, 23AWG Solid-Bare Copper, Pull Box (UL / ETL)

Applications

- 10/100/1000Base-T
- 100Base-VG
- 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)
- CMP Plenum Rated
- UL Listed CMP-LP (0.5A)
- UL444
- ETL Verified/Listed
- RoHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC
- REACH

Physical Characteristics

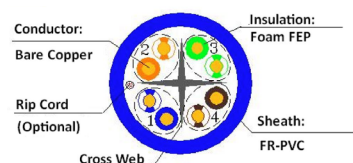
- Conductor Size: 23AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: Foam-FEP
- Insulation Diameter: 0.99mm
- Number of Conductors: 8 Conductors
- Number of Pairs: 4 Pairs
- Outer Shield Material: N/A
- Outer Jacket Material: Flame Retardant PVC
- Outer Jacket Diameter: 6.0mm
- Outer Jacket Rip Cord: Yes

CAT6 600MHz Solid CMP Unshielded Bulk Cable

CAT6



Technical Diagram



Available Jacket Colors

- Black Item# C6UP-3223BK
- Blue Item# C6UP-3224BL
- Gray Item# C6UP-3226GY
- Green Item# C6UP-3225GR
- Red Item# C6UP-5371RD
- White Item# C6UP-3227WH
- Yellow Item# C6UP-3228YL
- Orange Item# C6UP-5369OR
- Purple Item# C6UP-5370PR

Cable Features

- Tested to 600MHz.
- Meets or exceeds CAT6 T568.2-D standards.
- Easy to use pull box with bigger payout.
- Cable is marked in descending order so you always know how much cable is in the box.
- 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.

CAT6 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
20	7.9	53.1	50.7	38.2	35.2	21.0	495.0
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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CAT6 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: 0 ~ +30°C
- Installation Temperature Range: 0 ~ +50°C
- Operating Temperature Range: -20 ~ +60°C
- Bulk Cable Weight: 34lbs. / 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: Min. 1.407 Kgf/mm²
 - Aging Elongation: Min. 100%
 - Aging Condition: 136°C x 168hrs
- After Tensile Strength: Min. 75%
 - Aging Elongation: Min. 75%
 - Cold Bend: N/A

Optional Networking Accessories

RJ45 Modular Plugs

Our RJ45's are gold plated & work with solid or stranded cable.

- CN1-7909-Z6



RJ11, RJ12 & RJ45 Ratchet Crimping Tool

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

- TL1-6784-Z



Electrical Characteristics

- Capacitance Unbalance Max: 160 pF/100mm
- Nominal Velocity of Propagation: N/A
- Maximum Delay: N/A
- Maximum Delay Skew: N/A
- Maximum Conductor DC Resistance: 9.38 (@ 20°C OHm/100m)
- Maximum Operating Voltage - UL: N/A
- Maximum DCR Unbalanced: 2% (@ 20°C)
- Attenuation (Maximum)
 - 31.1dB/100m (328.1ft.) @ 250MHz
 - 52.7dB/100m (328.1ft.) @ 600MHz
- 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

Jacket Printing

E317493 CAT6 PLENUM UTP 4PR 23AWG 600MHz (UL) CMP-LP
(0.5A) (75°) (VID:007) ▲ ETL VERIFIED TO ANSI/TIA-568.2-D
XXXXFT

Optional Networking Accessories

CAT6 MIG+ Keystone Jacks

Our Category 6 180° Component Rated 110 HD modular keystone jacks include a plastic housing & 8 bronze pins with gold plating.

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



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