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C A B L E S

cables & connectors since 1995

Category 6A F/UTP Shielded 1000' 8 Conductor, Bulk Cable, Plenum CMP, PVC Jacket, 23AWG Solid Bare Copper. Our bulk cable is marked in descending order so you always know how much cable is left and supplied on a wooden spool (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

- ISO/IEC 11801
- TIA/EIA-568-C.2 Category 6A
- ANSI/CEA S-90-661 (Category 6A)
- ETL Verified
- 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: 1.10 ± 0.03mm
- Number of Conductors: 8 Conductors
- Number of Pairs: 4 Pairs
- Outer Shield Material: Mylar + Aluminum Foil/Mylar
- Drain Wire: Yes
- Outer Jacket Material: Low Smoke FR-PVC
- Outer Jacket Diameter: 8.20mm ± 0.20mm
- Outer Jacket Rip Cord: Yes

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: -20~+60°C
- Installation Temperature Range: -20~+60°C
- Operating Temperature Range: 0~+50°C
- Bulk Cable Weight: N/A
- Max. Recommended Pulling Tension: 110N
- Min. Bend Radius/Minor Axis: 32mm
- Min. Bend/Installation: 65mm
- Test Object: Jacket
- Test Material: PVC
- Before Tensile Strength: ≥13.8
 - Aging Elongation: ≥100
 - Aging Condition: 100°C x 168hrs
- After Tensile Strength: ≥75%
 - Aging Elongation: ≥75%
 - Cold Bend: No Visible Cracks (-20°±2°x4h)

Jacket Printing

PRIMUS CABLE CAT6A F/UTP 4PR 75C 23 AWG SOLID 10G 4009521 CMP FT6 cETLus LISTED VERIFIED TO ANSI/TIA/EIA 568C, 2(VID:011) RoHS #####FT

Sequential foot markers on jacket.

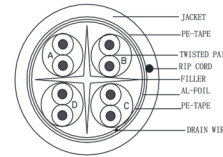
Cat6a Shielded Solid Plenum Cable

Sku: 85-660-413 BL:1000

CAT6A



Technical Diagram



Available Jacket Colors

- Black Item# C6APS-1089BK
- Blue Item# C6APS-1090BL
- Green Item# C6APS-1091GR
- Gray Item# C6APS-1092GY
- Orange Item# C6APS-1763OR
- Red Item# C6APS-1093RD
- White Item# C6APS-1094WH
- Yellow Item# C6APS-1095YL

Cable Features

- Tested to 750MHz.
- Meets or exceeds CAT6A T568C.2 standards.
- Easy to use wooden spool.
- Cable is marked in descending order so you always know how much cable is left.
- Extra headroom provides room for growth.
- Low attenuation and power-sum crosstalk.

Construction Facts

- The PVC Cable has high density polyethylene insulation.
- AL Shielding is used to help eliminate any interference.
- Longitudinal rip cord for easy jacket opening.

Cable Put-Ups:

- Cable is supplied in 1000ft increments on a wooden spool.

Electrical Characteristics

- Unbalanced to Ground Capacitance Max: 330
- Nominal Velocity of Propagation(NVP): 72%
- Maximum Propagation Delay: 534+36 ns/100m
- Maximum Delay: 25ns/100M (Max)
- Maximum Delay Skew: ≤ 45 (ns/100m)
- Maximum Conductor DC Resistance: 9 (@ 20°C OHm/100m)
- Maximum Operating Voltage - UL: 300V RMS
- Resistance Unbalanced: 3.5%
- 1.0 - 100MHz Impedance: 100Ω ± 12%
- 100 - 350MHz Impedance: 100Ω ± 15%
- 350 - 750MHz Impedance: 100Ω ± 22%

CAT6A Plenum Shielded 10Gig Solid Bulk Cable Electrical Specifications

Frequency MHz (Maximum)	ATT dB/100 m (328 ft.) (Maximum)	ACRF 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-ACRF dB/100 m (328 ft.) (Minimum)	Return Loss dB (Minimum)
1	2.1	71.8	570.0	74.3	72.3	71.8	64.8	20.0
4	3.8	59.8	552.0	65.3	63.3	59.8	52.8	23.0
8	5.3	53.7	546.7	60.8	58.8	53.7	46.7	24.5
10	5.9	51.8	545.4	59.3	57.3	51.8	44.8	25.0
16	7.5	47.7	543.0	56.2	54.2	47.7	40.7	25.0
20	8.4	45.8	542.0	54.8	52.8	45.8	38.8	25.0
25	9.4	43.8	541.2	53.3	51.3	43.8	36.8	24.3
31.25	10.5	41.9	540.4	51.9	49.9	41.9	34.9	23.6
62.50	15.0	35.9	538.6	47.4	45.4	35.9	28.9	21.5
100	19.1	31.8	538.0	44.3	42.3	31.8	24.8	22.0
200	27.6	25.8	537.0	43.8	41.8	25.8	18.8	20.0
250	31.1	23.8	536.0	42.3	40.3	23.5	16.8	19.3
300	34.3	22.3	536.0	41.1	39.1	22.3	15.3	18.8
500	45.3	17.8	536.0	37.8	35.8	17.8	10.8	17.0
600	50.1	-	-	36.6	34.6	-	-	16.6
750	56.8	-	-	35.2	33.2	-	-	16