



Category 6 F/UTP Foil Shielded 1000' 8 Conductor, Bulk Cable, PVC Jacket, 24 AWG Stranded Bare Copper, Wooden Spool (ETL). Our bulk cable is marked in descending order so you always know how much cable is left.

Applications

- Industrial Ethernet
- 10/100BASE-TX
- Suitable for Category 6 Enhanced High Speed Data Applications
- Factory Automation
- Process Industry Applications
- Harsh Environment Applications

Compliance

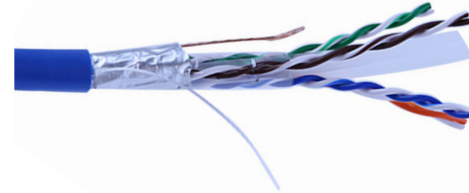
- ISO/IEC 11801
- ANSI/TIA-568.2-D Category 6
- ICEA S-90-661 (Category 6)
- NEMA WC63.1 (Category 6)
- HDPE Insulation
- RoHS Compliance For The Requirement Of European Union Issued Directive 2002/95/EC

Physical Characteristics

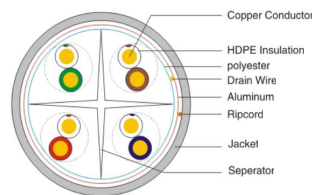
- Conductor Size: 24 AWG
- Conductor Material: Stranded Bare Copper
- Insulation Material: High Density Polyethylene
- Insulation Diameter: 1.02 ± 0.03mm
- Number Of Conductors: 8 Conductors
- Number Of Pairs: 4 Pairs
- Drain Wire: Yes - Tin Copper - 0.45mm
- Outer Shield Material: Mylar + Aluminum Foil / Mylar
- Outer Jacket Material: PVC (Complies RoHS)
- Outer Jacket Diameter: 6.7mm ± 0.4mm
- Outer Jacket Rip Cord: Yes
- Spline: Yes

CAT 6 550MHz Stranded Shielded Bulk Cable

CAT6



Technical Diagram



Available Jacket Colors

- Black Item# C6SHST-3304BK
- Blue Item# C6SHST-3645BL
- Gray Item# C6SHST-2390GY
- Red Item# C6SHST-3647RD
- White Item# C6SHST-3853WH
- Yellow Item# C6SHST-7174YL
- Green Item# C6SHST-6243GR

Cable Features

- Meets Or Exceeds CAT 6 ANSI/TIA-568.2-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
- 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.

CAT 6 550MHz Stranded Shielded 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	3.05	N/A	570.00	74.3	72.3	67.8	64.8	20.0
4	5.67	N/A	552.00	65.3	63.3	55.8	52.8	23.0
8	7.98	N/A	546.73	60.8	58.8	49.7	46.7	24.5
10	8.93	N/A	545.38	59.3	57.3	47.8	44.8	25.0
16	11.33	N/A	543.00	56.2	54.2	43.7	40.7	25.0
20	12.71	N/A	542.05	54.8	52.8	41.8	38.8	25.0
25	14.26	N/A	541.20	53.3	41.3	39.8	36.8	24.3
31.25	16.00	N/A	540.44	51.9	49.9	37.9	34.9	23.6
62.50	23.07	N/A	538.55	47.7	45.4	31.9	28.9	21.5
100	29.70	N/A	537.60	44.3	42.3	27.8	24.8	20.1
200	43.47	N/A	536.54	39.8	37.8	21.8	18.8	18.0
300	49.28	N/A	536.27	38.3	36.3	19.8	16.8	17.3
350	59.68	N/A	535.92	36.1	34.1	16.9	13.9	16.3
450	69.01	N/A	535.70	34.5	32.5	14.7	11.7	15.5
600	81.73	N/A	535.47	32.6	30.6	12.2	9.2	14.7

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CAT 6 550MHz Stranded Shielded 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: N/A lbs. / 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: $\geq 150\%$
 - Aging Condition: 100°C x 24hrs x 7Days
- After Tensile Strength: ≥ 12.5
 - Aging Elongation: $\geq 125\%$
 - Cold Bend: No Visible Cracks (-20°±2°x4h)

Jacket Printing

PRIMUS CABLE CAT 6 FTP 4 PR 24 AWG 550 MHZ
CM ETL VERIFIED TO TIA/EIA – 568 – B . 2 – 1 ZONE
A B C D E F / DEVICE 1 2 3 4 5 6 7 8 9 (VID : 018)
1000 FT

Sequential foot markers on jacket.

Electrical Characteristics

- Unbalanced To Ground Capacitance Max: 330 (pf/100m)
- Nominal Velocity Of Propagation: N/A
- Maximum Delay: 537.60 @ 100MHz (ns/100m)
- Maximum Delay Skew: ≤ 45 (ns/100m)
- Maximum Conductor DC Resistance: 9.38 (@ 20°C OHm/100m)
- Maximum Operating Voltage - UL: 300V RMS
- Maximum DCR Unbalanced: N/A
- Attenuation (Maximum)
 - 29.70dB/100m (328.1ft.) @ 100MHz
 - 59.68dB/100m (328.1ft.) @ 350MHz
- 1.0 - 100MHz Impedance: 100Ω ± 15%
- NEXT (Minimum)
 - 44.3dB/100m (328.1ft.) @ 100MHz
 - 36.1dB/100m (328.1ft.) @ 350MHz
- PS-NEXT (Minimum)
 - 42.3dB/100m (328.1ft.) @ 100MHz
 - 34.1dB/100m (328.1ft.) @ 350MHz
- Return Loss (Minimum)
 - 20.1dB/100m (328.1ft.) @ 100MHz
 - 16.3dB/100m (328.1ft.) @ 350MHz

Optional CAT6/A, CAT7/A Shielded Solid & Stranded Cable

These RJ45 connectors are designed to work specifically with CAT6/A, CAT7/A cable. These RJ45 connectors are gold plated and work with solid and stranded cable. They have 8 pins and 8 conductors (8p8c). The inserts are also included—they're part of the design. The wire alignment insert provides an efficient cable assembly.



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