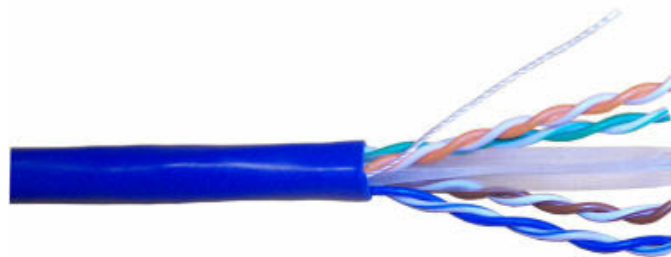


DATA-TRONIX

Category 6a UTP Network Cable

Features:

- Four pair, 23 AWG Solid conductors
- Unshielded, With rip cord
- Rated to 550 MHz
- Available in Blue, Gray, White, Yellow, Green or Black PVC Jackets
- Convenient, 1,000' easy pull box
- TIA/EIA 568-B.2, UL 444, and ISO/IEC 11801
- RoHS Compliant
- ETL Listed
- CMR Rated



Physical Characteristics:

Number Of Conductor Pairs	4
Size	23 Awg
Insulation Diameter	1.05+/-0.005mm
Conductor Material	Solid Bare Copper
Shield Material	Unshielded
Rip Cord	Yes
Insulation Material	HDPE
Conductor Diameter	0.565+/-0.003mm
Insulation Average Thickness	0.2mm
Jacket	Flame Retardant CM-PVC
Outer Jacket Average Wall Thickness	0.55mm
Outer Jacket Nominal O.D.	6.3+/-0.2mm

Mechanical Characteristics:

Temp. Rating - Installation	-4°F to +70°F
Temp. Rating - Operation	-4°F to +70°F
Rated Temperature / Voltage	5000 V/km

Electrical Characteristics:

Max. Conductor DC Resistance	≤9.5Ω/100 Meters @ 68°F
Max. DC Resistance Unbalanced	≤2.5% @ 68°F
Max. Pair-to-Pair Ground Cap. Unbal.	≤330pF / 100 Meters
Characteristic Imp.	100 +/-15Ω (1-100 MHz)
Mutual Capacitance	≤5.6nF / 100 Meters
Max. Delay Skew	≤45 nS / 100 Meters

Color Coding Of Pairs:

Pair 1	White/Blue	Blue
Pair 2	White/Orange	Orange
Pair 3	White/Green	Green
Pair 4	White/Brown	Brown

Frequency (MHz)	Attenuation (dB/100m) Max.	Return Loss (dB) Min.	NEXT (dB) Min.	PS-NEXT (dB) Min.	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	Delay (ns/100m) Max.
1	1.90	20.00	74.30	72.30	67.80	64.80	570
4	3.78	23.01	65.24	63.27	55.76	52.76	552
10	5.95	25.00	59.30	57.30	47.80	44.80	545
16	7.55	25.00	56.24	54.24	43.72	40.72	543
20	8.47	25.00	54.78	52.78	41.78	38.78	542
31.25	10.67	23.64	51.88	49.88	37.90	34.90	540
62.5	15.38	21.54	47.36	45.36	31.88	28.80	538
100	19.80	20.11	44.30	42.30	27.80	24.80	537
200	28.98	18.00	39.78	37.78	21.78	18.78	536
250	32.85	17.32	38.33	36.33	19.84	16.84	536
400	42.96	15.89	35.20	33.20	15.90	12.90	535
500	48.92	15.21	33.80	31.80	14.02	11.02	535
550	51.76	14.92	33.19	31.19	12.99	10.00	536

Ordering Information:

DT-CAT6-BX-BL Cat6a 1,000' Box, Blue Jacket
DT-CAT6-BX-GY Cat6a 1,000' Box, Gray Jacket
DT-CAT6-BX-WH Cat6a 1,000' Box, White Jacket

DT-CAT6-BX-YL Cat6a 1,000' Box, Yellow Jacket
DT-CAT6-BX-GN Cat6a 1,000' Box, Green Jacket
DT-CAT6-BX-BK Cat6a 1,000' Box, Black Jacket