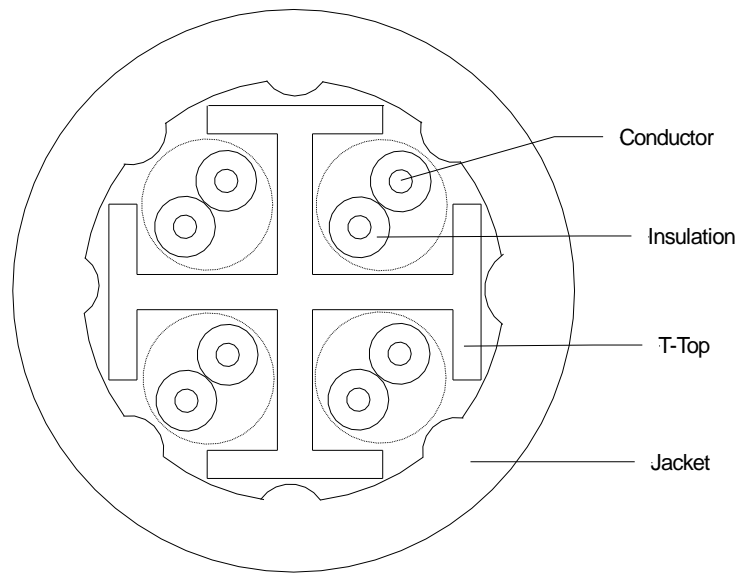


# Category 6A UTP Riser



## 1. Construction:

- 1.1. Conductors: 23 AWG Solid Bare Copper
- 1.2. Insulation: Polyolefin Nom Diameter 0.042"
- 1.3. Pair Assembly: Conductors Twisted to Varying Lays
- 1.4. Cable Assembly: 4 Pairs Cabled Together With T-Top
- 1.5. Jacket: PVC Nom OD = 0.325"
- 1.6. Ripcord: Pulled in Under Jacket

### 1.7. JACKET PRINT:

COMTRAN CABLE LLC COM-Link CAT 6A 500 MHZ 23 AWG  
 CMR C(UL)US ETL VERIFIED TO ANSI/TIA-568-C.2  
 CATEGORY 6A RoHS (01-12345) 00002

(01-12345) = Traceability Code  
 XXXXXX = Sequential Footage every Two Feet

## 3. Compliance:



- 3.1. UL Subject 444 Communications Cables
- 3.2. UL Listed Type CMR
- 3.3. UL 1666 Riser Flame Test
- 3.4. NEC Article 800
- 3.5. c(UL) Type CMR
- 3.6. California State Fire Marshal
- 3.7. RoHS Compliant

## 2. Physical Characteristics:

- 2.1. Nominal Cable Weight: 47lbs./1,000 ft.
- 2.2. Installation Temperature Rating: 0°C to +60°C
- 2.3. Operation Temperature Rating: -20°C to +75°C

## 4. Category Electrical Performance:

- 4.1. Voltage Rating: 300V
- 4.2. Max. DC Resistance: 9.38Ω/100m
- 4.3. Max DC Resistance Unbalance: 5.0%
- 4.4. Nominal Velocity of Propagation: 68%
- 4.5. Max Propagation Delay Skew: 45 ns/100m
- 4.6. ETL Verified to ANSI/TIA-568-C.2

<b>TITLE:</b>		<b>DESCRIPTION</b>		<b>Comtran Cable LLC</b> 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		  A Marmon Wire & Cable/Berkshire Hathaway Company	
<b>CAT 6A UTP RISER</b>		4 Pair 23 AWG Solid Bare Copper Category 6A UTP Riser					
Rev	Date	Detail		Eng.	App.		
1	4/21/15	First release		BAL	RN		

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# Category 6A UTP Riser

## Category 6A Electricals

(Per ANSI/TIA 568-C.2)



Char. Impedance		Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
Freq.	(Ohms)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
(MHz.)	(+/-15)	(Min)	(Max)	(Min)	(Min)	(Min)	(Min)
1	100	20.0	2.0	74.3	72.3	67.8	64.8
4	100	23.0	3.8	65.3	63.3	55.8	52.8
8	100	24.5	5.3	60.8	58.8	49.7	46.7
10	100	25.0	6.0	59.3	57.3	47.8	44.8
16	100	25.0	7.5	56.2	54.2	43.7	40.7
20	100	25.0	8.4	54.8	52.8	41.8	38.8
25	100	24.3	9.4	53.3	51.3	39.8	36.8
31.25	100	23.6	10.5	51.9	49.9	37.9	34.9
62.5	100	21.5	15.0	47.4	45.4	31.9	28.9
100	100	20.1	19.1	44.3	42.3	27.8	24.8
200	100	18.0	27.6	39.8	37.8	21.8	18.8
250	100	17.3	31.1	38.3	36.3	19.8	16.8
300	100	16.8	34.3	37.1	35.1	18.3	15.3
400	100	15.9	40.0	35.3	33.3	15.8	12.8
500	100	15.2	45.3	33.8	31.8	13.8	10.8

### Category Color Code

Color Code	
Pair 1	Blue-White/Blue
Pair 2	Orange-White/Orange
Pair 3	Green-White/Green
Pair 4	Brown-White/Brown

### Part Numbers

Part#	Color
36243	Blue
36244	White

<b>TITLE:</b>		<b>DESCRIPTION</b>		<b>Comtran Cable LLC</b> <b>330A Turner Street</b> <b>South Attleboro, MA 02703</b> <b>Phone: 508-399-7004</b> <b>Fax: 508-399-8839</b>		  <small>A Marmion Wire &amp; Cable/Berkshire Hathaway Company</small>	
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