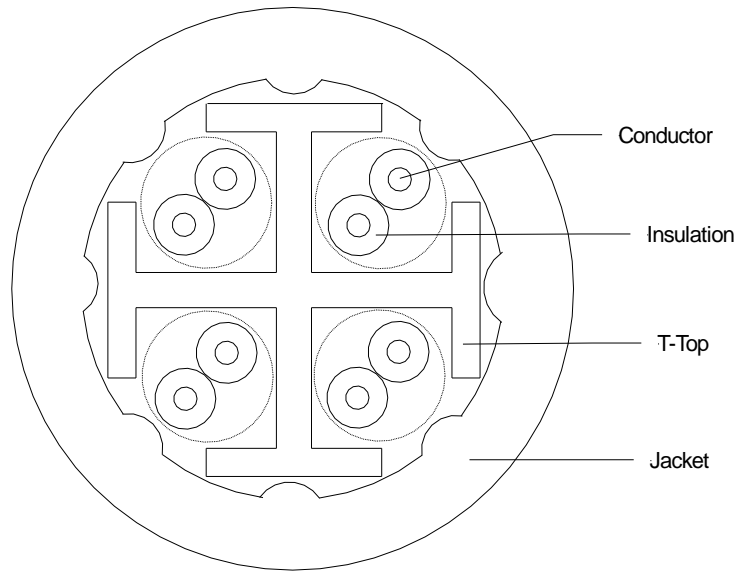


Category 6A UTP Riser



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

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

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

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

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

| | | | | | | | |
|-------------------------|---------|--|--|---|------|--|--|
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