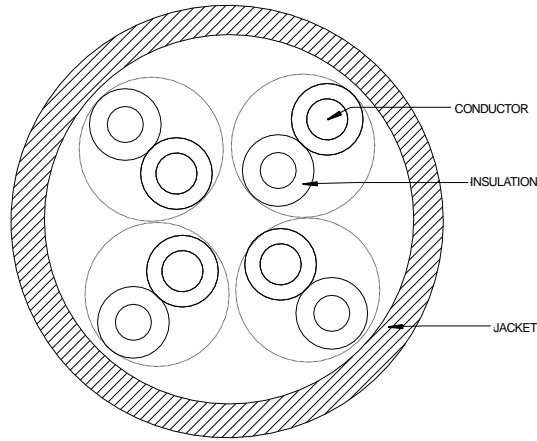


# Category 6 Plenum



## 1. Construction:

- 1.1. Conductors: 23 AWG Solid Bare Copper
- 1.2. Insulation: Fluoropolymer Nom Diameter 0.038"
- 1.3. Insulation: FR-Polyolefin Nom Diameter 0.040"
- 1.4. Pair Assembly: Conductors Twisted to Varying Lays
- 1.5. Cable Assembly: 4 Pairs Cabled Together
- 1.6. Jacket: Plenum PVC Nom OD = 0.198"
- 1.7. Ripcord: Pulled in Under Jacket

### 1.8. JACKET PRINT:

COMTRAN CABLE LLC CAT 6 250 MHz 23 AWG CMP  
 C(UL)US ETL VERIFIED TO ANSI/TIA-568-C.2 CATEGORY 6  
 RoHS (01-12345) XXXXXX

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

## 3. Compliance:



- 3.1. UL Subject 444 Communications Cables
- 3.2. UL Listed Type CMP
- 3.3. NFPA 262, UL 910
- 3.4. NEC Article 800
- 3.5. c(UL) Type CMP
- 3.6. ICEA S-102-700
- 3.7. California State Fire Marshal
- 3.8. RoHS Compliant

## 2. Physical Characteristics:

- 2.1. Nominal Cable Weight: 23lbs./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		 <b>COMTRAN CABLE</b> ENGINEERED QUALITY  <small>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</small>
<b>CAT 6 PLENUM</b>		4 Pair 23 AWG Solid Bare Copper Category 6 Plenum				
Rev	Date	Detail	Eng.	App.		
17	3/24/15	New Format	BAL	RN		

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# Category 6 Plenum

## Category 6 Electricals

(Per ANSI/TIA 568-C.2)


	Char. Impedance	Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
Freq. (MHz.)	(Ohms)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
	(+/-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	55.7	52.7
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	7.6	56.3	54.3	43.7	40.7
20	100	25.0	8.5	54.8	52.8	41.7	38.7
25	100	24.3	9.5	53.3	51.3	39.8	36.8
31.25	100	23.6	10.7	51.9	49.9	37.9	34.9
62.5	100	21.5	15.4	47.4	45.4	31.8	28.8
100	100	20.1	19.8	44.3	42.3	27.8	24.8
125	100	19.4	22.4	42.9	40.9	25.8	22.8
155	100	18.8	25.2	41.4	39.4	23.9	20.9
175	100	18.4	26.9	40.7	38.7	22.9	19.9
200	100	18.0	29.0	39.8	37.8	21.7	18.7
250	100	17.3	32.8	38.3	36.3	19.8	16.8

### 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
38600	Blue
38601	White
34277	Green
34481	Yellow
34932	Gray
35334	Red
35675	Violet

TITLE:		DESCRIPTION	Comtran Cable LLC		
<b>CAT 6 PLENUM</b>		4 Pair 23 AWG Solid Bare Copper Category 6 Plenum	<b>330A Turner Street</b> <b>South Attleboro, MA 02703</b> <b>Phone: 508-399-7004</b> <b>Fax: 508-399-8839</b>		
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