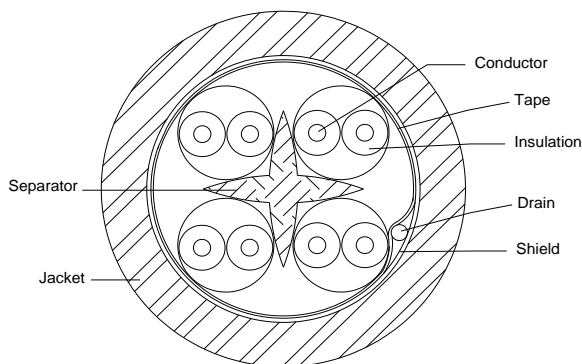


# COM-Link®

## Category 6 F/UTP Plenum



### 1. Construction:

- 1.1. Conductors: 23 AWG Solid Bare Copper per ASTM B-3
- 1.2. Insulation: Fluoropolymer
- 1.3. Pair Assembly: Color Coded Conductors Twisted to Varying Lays
- 1.4. Cable Assembly: 4 Pairs cabled with Cross Web Separator to Form Round Core
- 1.5. Binder: Polyester Core Wrap
- 1.6. Drain: 24 AWG Tinned Copper
- 1.7. Shield: Aluminum/Polyester (aluminum side in)
- 1.8. Jacket: Plenum PVC 0.280" Nominal Diameter

### 1.9. Jacket Print:

COMTRAN COM-Link® CAT 6 250MHZ 23 AWG SHIELDED  
 CMP C(UL)US ETL VERIFIED TO ANSI/TIA-568-C.2  
 CATEGORY 6 RoHS (01-12345) 0/1000



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

### 2. Compliance:

- 2.1. UL Subject 444 Communications Cables
- 2.2. UL Listed type CMP
- 2.3. UL 910 Plenum Flame Test
- 2.4. NEC Article 800
- 2.5. c(UL)us Type CMP
- 2.6. ICEA S-102-700
- 2.7. California State Fire Marshal
- 2.8. RoHS Compliant

### 3. Category Electrical Performance:

- 3.1. Voltage Rating: 300V
- 3.2. Max. DC Resistance: 9.38Ω/100m
- 3.3. Max DC Resistance Unbalance: 5.0%
- 3.4. Nominal Velocity of Propagation: 68%
- 3.5. Max Propagation Delay Skew: 45 ns/100m
- 3.6. ETL Verified to ANSI/TIA-568-C.2

<b>TITLE:</b>		<b>DESCRIPTION</b>			<b>Comtran</b> 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 <b>COMTRAN</b> <small>Innovative Systems. Engineered Solutions.</small>  <small>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</small>		
<b>CATEGORY 6 F/UTP PLENUM</b>		4 Pair 23 AWG Solid Bare Copper COM-Link® Category 6 Shielded Plenum							
Rev	Date	Detail	Eng.	App.					
2	5/14/19	Rebranding	KB	PB					
1	6/26/13	Initial Release	BAL	JB					

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# COM-Link® Category 6 F/UTP Plenum

## Category 6 Electricals



(Per ANSI/TIA 568-C.2)

Char. Impedance		Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
Freq. (MHz.)	(Ohms) (+/-15)	(dB) (Min)	(dB/100m) (Max)	(dB/100m) (Min)	(dB/100m) (Min)	(dB/100m) (Min)	(dB/100m) (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	54.2	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

Color	Part#
BLUE	35941
WHITE	35940
GRAY	35942
GREEN	35939

<b>TITLE:</b>		<b>DESCRIPTION</b>		<b>Comtran</b> 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 <b>COMTRAN</b> Innovative Systems. Engineered Solutions.  A Marmon Wire & Cable/Berkshire Hathaway Company
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