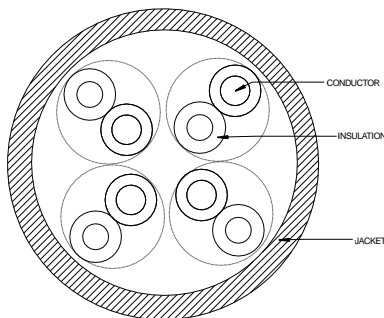


COM-Link[®]

Category 5e Plenum



1. Construction:

- 1.1. Conductors: 24 AWG Solid Bare Copper
- 1.2. Insulation: Fluoropolymer 0.033" Nominal Diameter
- 1.3. Insulation: FR-Polyolefin 0.034" Nominal Diameter
- 1.4. Pair Assembly: Conductors Twisted to Varying Lays
- 1.5. Cable Assembly: 4 Pairs Cabled Together
- 1.6. Jacket: Plenum PVC 0.180" Nominal Diameter
- 1.7. Ripcord: Pulled in Under Jacket

1.8. Jacket Print:

COMTRAN COM-Link[®] CAT5e 350 MHZ 24 AWG
 CMP C(UL)US ETL VERIFIED TO ANSI/TIA-568-C.2 CAT 5e
 ROHS (01-12345) XXXXXX

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

2. Physical Characteristics:

- 2.1. Nominal Cable Weight: 20lbs./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 CMP
- 3.3. NFPA 262, UL 910
- 3.4. NEC Article 800
- 3.5. c(UL) Type CMP
- 3.6. ICEA S-90-661
- 3.7. California State Fire Marshal
- 3.8. 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		COMTRAN <small>Innovative Systems. Engineered Solutions.</small>	
CAT 5E PLENUM		4 Pair 24 AWG Solid Bare Copper COM-Link [®] Category 5e Plenum		330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839			
Rev	Date	Detail		Eng.	App.		
16	5/13/19	Rebranding		KB	PB		
15	2/7/17	Added Pink		BAL	RN		
14	6/28/16	New Format		BAL	RN		

Comtran reserves the right to change the information above without prior notification. Comtran assumes no risk, and is not liable for direct or indirect, or consequential damages, resulting from the use of this document

COM-Link[®] Category 5e Plenum

Category 5e Electricals

(Per ANSI/TIA 568-C.2)



Freq. (MHz.)	Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
	(dB) (Min)	(dB/100m) (Max)	(dB/100m) (Min)	(dB/100m) (Min)	(dB/100m) (Min)	(dB/100m) (Min)
1	20.0	2	65.3	62.3	63.8	60.8
4	23.0	4.1	56.3	53.3	51.7	48.7
8	24.5	5.8	51.8	48.8	45.7	42.7
10	25.0	6.5	50.3	47.3	43.8	40.8
16	25.0	8.2	47.2	44.3	39.7	36.7
20	25.0	9.3	45.8	42.8	37.7	34.7
25	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.9	30.9
62.5	21.5	17	38.4	35.4	27.8	24.8
100	20.1	22	35.3	32.3	23.8	20.8
200	18.0	32.4	30.8	27.8	20	14.7
350	16.3	44.8	27.5	24.2	17	9.9

Values above 100 MHz are for Engineering Information Only

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	Color
32539	Green
32567	Blue
32568	Orange
32644	Gray
32820	Yellow
35799	Black
32347	White
36313	Pink

TITLE:		DESCRIPTION		Comtran 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 COMTRAN <small>Innovative Systems. Engineered Solutions.</small>	
CAT 5E PLENUM		4 Pair 24 AWG Solid Bare Copper COM-Link [®] Category 5e Plenum				 <small>A Marmon Wire & Cable/Berkshire Hathaway Company</small>	
Rev	Date	Detail		Eng.	App.		
16	5/13/19	Rebranding		KB	PB		
15	2/7/17	Added Pink		BAL	RN		
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