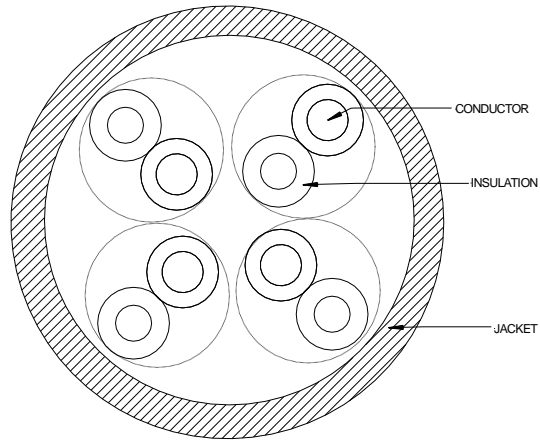


COM-Link®

Category 6e Plenum



1. Construction:

- 1.1. Conductors: 23 AWG Solid Bare Copper
- 1.2. Insulation: Fluoropolymer 0.038" Nominal Diameter
- 1.3. Insulation: FR-Polyolefin 0.040" Nominal Diameter
- 1.4. Pair Assembly: Conductors Twisted to Varying Lays
- 1.5. Cable Assembly: 4 Pairs Cabled Together
- 1.6. Jacket: Plenum PVC 0.200" Nominal Diameter
- 1.7. Ripcord: Pulled in Under Jacket

1.8. JACKET PRINT:

COMTRAN COM-Link® CAT 6E 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

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

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

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 6E PLENUM		4 Pair 23 AWG Solid Bare Copper COM-Link® Category 6e Plenum			330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 <small>A Marmon Wire & Cable/Berkshire Hathaway Company</small>	
Rev	Date	Detail	Eng.	App.				
23	5/23/19	Print Legend update						
20	5/15/19	Rebranding/ ECN 19-054			PB	WC		
19	10/13/16	Added Orange Part Number			KB	PB		
18	6/8/16	Added Black Part Number			BAL	RN		
17	3/24/15	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 6e Plenum

Category 6 Electricals

(Per ANSI/TIA 568-C.2)

Char. Impedance		Return	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
Freq.	(Ohms)	Loss	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
(MHz.)	(+/-15)	(dB)	(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	7.6	56.2	54.2	43.7	40.7
20	100	25.0	8.5	54.8	52.8	41.8	38.8
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	31.9	28.9
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	21.8	18.8
250	100	17.3	32.8	38.3	36.3	19.8	16.8
300	100	16.8	36.4	37.1	35.1	18.3	15.3
350	100	16.3	39.8	36.1	34.1	16.9	13.9
400	100	15.9	43.0	35.3	33.3	15.8	12.8
450	100	15.5	46.0	34.5	32.5	14.7	11.7
500	100	15.2	48.9	33.8	31.8	13.8	10.8
550	100	14.9	51.8	33.2	31.2	13.0	10.0



Values above 250 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 Numbers

Part#	Color
38600	Blue
38601	White
34277	Green
34481	Yellow
34932	Gray
35334	Red
35675	Violet
36105	Aqua
36102	Black
35920	Orange

TITLE:		DESCRIPTION		Comtran		 COMTRAN <small>Innovative Systems. Engineered Solutions.</small>	
CAT 6E PLENUM		4 Pair 23 AWG Solid Bare Copper COM-Link [®] Category 6e Plenum		330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 <small>A Marmon Wire & Cable/Berkshire Hathaway Company</small>	
Rev	Date	Detail		Eng.	App.		
23	5/23/19	Print Legend update		PB	WC		
20	5/15/19	Rebranding/ ECN 19-054		KB	PB		
19	10/13/16	Added Orange Part Number		BAL	RN		
18	6/8/16	Added Black Part Number		BAL	RN		
17	3/24/15	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