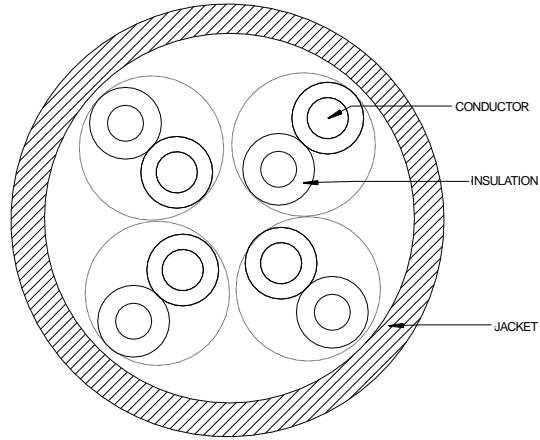


COM-Link[®]

Category 6e Riser



1. Construction:

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

2. Jacket Print:

COMTRAN COM-Link[®] CAT 6E 23 AWG CMR 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. Physical Characteristics:



- 3.1. Nominal Cable Weight: 23lbs./1,000 ft.
- 3.2. Installation Temperature Rating: 0°C to +60°C
- 3.3. Operation Temperature Rating: -20°C to +75°C

4. Compliance:

- 4.1. UL Subject 444 Communications Cables
- 4.2. c(UL)us Type CMR
- 4.3. UL 1666
- 4.4. NEC Article 800
- 4.5. ICEA S-102-700
- 4.6. California State Fire Marshal
- 4.7. RoHS Compliant

5. Category Electrical Performance:

- 5.1. Voltage Rating: 300V
- 5.2. Max. DC Resistance: 9.38Ω/100m
- 5.3. Max DC Resistance Unbalance: 5.0%
- 5.4. Nominal Velocity of Propagation: 68%
- 5.5. Max Propagation Delay Skew: 45 ns/100m
- 5.6. ETL Verified to ANSI/TIA-568-C.2

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>  <small>A Marmon Wire & Cable/Berkshire Hathaway Company</small>	
CAT 6E RISER		4 Pair 23 AWG Solid Bare Copper Com-Link [®] Category 6e Riser				
Rev	Date	Detail	Eng.	App.		
2	5/14/19	Rebranding/ECN 19-055	KB	PB		
1	8/19/16	New Format	BAL	RN		

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COM-Link[®] Category 6e Riser

Category 6e 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	7.6	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
38677	Blue
38678	White
35897	Green
35184	Yellow
35882	Gray
35697	Violet
36269	Orange
36272	Red
36307	Black
36562	Lime Green

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