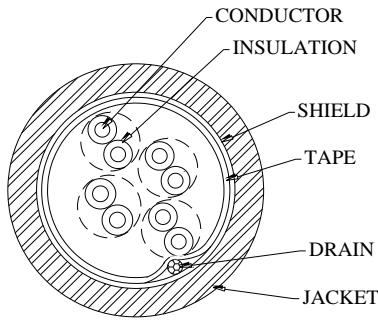


# COM-Link®

## Category 5e 4 Pair Shielded Riser (ScTP)



### 1. Construction:

- 1.1 Conductors: 24 AWG Solid Bare Copper 0.0213" Nominal Diameter
- 1.2 Insulation: Polyethylene 0.041" Nominal Diameter
- 1.3 Pairs: 2 Conductors Twisted to Varying Lays
- 1.4 Cable: 4 Pairs Cabled Together to form a round Core
- 1.5 Tape: Polyester Tape, 100% Coverage
- 1.6 Drain: 24 AWG Stranded Tinned Copper
- 1.7 Shield: Aluminum/Polyester Tape, 100% Coverage
- 1.8 Jacket: Riser FR-PVC 0.240" Nominal Diameter

### 1.9. Jacket Print:

COMTRAN COM-Link® CAT 5E 24 AWG SHIELDED CMR  
 C(UL)US ETL VERIFIED TO ANSI/TIA-568-C.2 CATEGORY 5E  
 RoHS (01-12345) 00002

### 1. Physical Characteristics:

- 1.1. Nominal Cable Weight: 27 lbs. /1,000 ft.
- 1.2. Installation Temperature Rating: 0°C to +60°C
- 1.3. Operation Temperature Rating: -20°C to +75°C

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



### 2. Compliance:

- 2.1. UL Subject 444 Communications Cables
- 2.2. UL Listed Type CMR
- 2.3. c(UL) Type CMR
- 2.4. UL 1666 Riser Flame Test
- 2.5. IEEE 802.3
- 2.6. NEC Article 800
- 2.7. California State Fire Marshal
- 2.8. RoHS Compliant
- 2.9. ICEA S-80-576

### 3. Category Electrical Performance:

- 3.1. Voltage Rating: 300V
- 3.2. Max. DC Resistance: 9.38Ω/100m
- 3.3. Max DC Resistance Unbalance: 4.0%
- 3.4. Nominal Velocity of Propagation: 70%
- 3.5. Max Propagation Delay Skew: 45 ns/100m
- 3.6. 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		 <b>COMTRAN</b> <small>Innovative Systems. Engineered Solutions.</small>
<b>CAT 5e F/UTP RISER</b>		4 PAIR 24 AWG SBC F/UTP COM-Link® RISER	 <small>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</small>		
Rev	Date	Detail	Eng.	App.	
12	5/14/19	Reformatting	KB	PB	
11	04/04/19	Update format/rebranding	PB	WC	
10	11/28/17	Included drawing, drain wire and formatting	EK	RN	
09	2/21/12	Revised Format	PA	RHW	

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# COM-Link®

## Category 5e 4 Pair Shielded Riser (ScTP)

### Category 5e Electricals



(Per ANSI/TIA 568-C.2)

Freq.	Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
(MHz.)	(Min)	(Max)	(Min)	(Min)	(Min)	(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	47.3	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

### 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

P/N	Color
32906	White
32212	Red
38676	Gray
32070	Blue

<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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