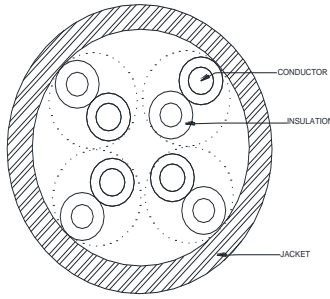


Category 5e LSZH CM-LS



1. Construction:

- 1.1. Conductors: 24 AWG Solid Bare Copper
- 1.2. Insulation: HDPE, 0.035" Nominal Diameter
- 1.3. Pair Assembly: Conductors Twisted to Varying Lays
- 1.4. Cable Assembly: 4 Pairs Cabled Together
- 1.5. Ripcord: Pulled in Under Jacket
- 1.6. Jacket: Black LSZH Polyefin, 0.218" Nominal Diameter

1.7. JACKET PRINT:

COMTRAN CABLE LLC CAT5e 100 MHZ 24 AWG CM-LS
 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

3. Compliance:



- 3.1. C(UL)US Listed Type CM-LS
- 3.2. UL Subject 444 Communications Cables
- 3.3. NEC Article 800
- 3.4. ICEA S-90-661
- 3.5. California State Fire Marshal Approved
- 3.6. RoHS Compliant

4. Category Electrical Performance:

- 4.1. Voltage Rating: 300V
- 4.2. Max. DC Resistance: 9.38Ω/100m
- 4.3. Nominal Velocity of Propagation: 68%
- 4.4. Max Propagation Delay Skew: 45 ns/100m
- 4.5. Characteristic Impedance : 100 Ω+/-15 Ω
- 4.6. ETL Verified to ANSI/TIA-568-C.2 Cat 5e

2. Physical Characteristics:

- 2.1. Nominal Cable Weight: 25 lbs./1,000 ft.
- 2.2. Installation Temperature Rating: 0°C to +60°C
- 2.3. Operation Temperature Rating: -20°C to +75°C

TITLE:		DESCRIPTION	Comtran Cable LLC		 
DS35951		4 Pair 24 AWG Solid Bare Copper Category 5e LSZH	330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		
Rev	Date	Detail	Eng.	App.	
05	03/15/18	Change to standard category cable	DG	PB	13489-01
04	03/13/18	Add HUB link to title	PB	WC	
03	03/12/18	Update to current format; Add tapes and listings	PB	WC	13461-03
02	07/29/15	Changed OD	BAL	RN	
01	01/08/14	Initial Release	BAL	JB	

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

Category 5e LSZH CM-LS


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	2.0	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
62.50	21.5	17.0	38.4	35.4	27.8	24.8
100	20.1	22.0	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

TITLE:		DESCRIPTION		Comtran Cable LLC 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 <small>A Marmon Wire & Cable/Berkshire Hathaway Company</small>
DS35951		4 Pair 24 AWG Solid Bare Copper Category 5e LSZH				
Rev	Date	Detail		Eng.	App.	
05	03/15/18	Change to standard category cable		DG	PB	13489-01
04	03/13/18	Add HUB link to title		PB	WC	
03	03/12/18	Update to current format; Add tapes and listings		PB	WC	13461-03
02	07/29/15	Changed OD		BAL	RN	
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