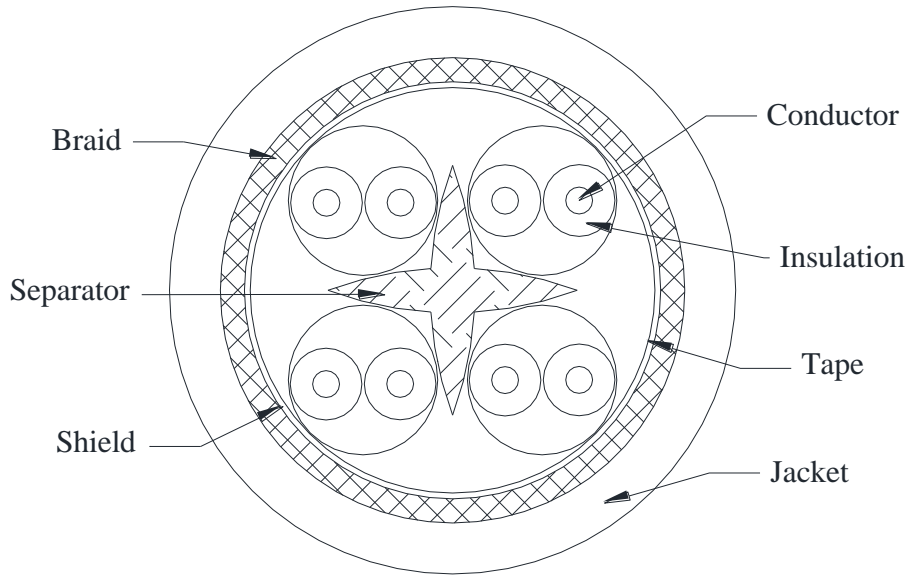


DEFENSE-LINK™ Shipboard LSC5OS-4



1. Construction:

- 1.1. Conductors: 24 AWG Solid Bare Copper
- 1.2. Insulation: Polyethylene Nom Diameter 0.041"
- 1.3. Pair Assembly: Conductors Twisted to Varying Lays
- 1.4. Cable Assembly: 4 Pairs Cabled With Separator
- 1.5. Tape: Polypropylene 25% Overlap
- 1.6. Shield: Aluminum/Polyester
- 1.7. Braid: 36 AWG Tinned Copper
- 1.8. Jacket: LSZH XLPO Nom OD = 0.335"

1.9. JACKET PRINT:

COMTRAN CABLE LLC LSC5OS-4 M24643/59-03UO
XLPOLYO YYYY

YYYY = Year of Manufacture

2. Physical Characteristics:



- 2.1. Nominal Cable Weight: 62.0lbs./1,000 ft.

3. Compliance:

- 3.1. Acid Gas Generation: MIL-DTL M24643C (4.8.23)
- 3.2. Halogen Content: MIL-DTL M24643C (4.8.23)
- 3.3. NES 713 Toxicity: MIL-DTL M24643C (4.8.27)
- 3.4. Flame Propagation: MIL-DTL M24643C (4.8.13)
- 3.5. Jacket Immersions: MIL-DTL M24643C (4.8.26)
- 3.6. Jacket Tear: MIL-DTL M24643C (4.8.20)
- 3.7. Heat Distortion: MIL-DTL M24643C (4.8.15)
- 3.8. Weathering: MIL-DTL M24643C (4.8.28)
- 3.9. QPL Approved: Ser. 05S/2015-226

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

TITLE:	DESCRIPTION	Comtran Cable LLC 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 <small>ENGINEERED QUALITY</small>  <small>A Marmon Wire & Cable/Berkshire Hathaway Company</small>
36070	4 Pair 24 AWG Solid Bare Copper Category 5e Shielded Shipboard LSC5OS-4			
Rev	Date	Detail	Eng.	App.
2	9/30/15	Removed extra shield	Bal	RN
1	8/20/15	First Release	BAL	RN

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DEFENSE-LINK™ Shipboard LSC5OS-4


Category 5e Electricals

(Per ANSI/TIA 568-C.2)

Freq.	Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
(MHz.)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
	(Min)	(Max)	(Min)	(Min)	(Min)	(Min)
1	20	2	65.3	62.3	63.8	60.8
4	23	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	6.5	50.3	47.3	43.8	40.8
16	25	8.2	47.3	44.3	39.7	36.7
20	25	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

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>
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