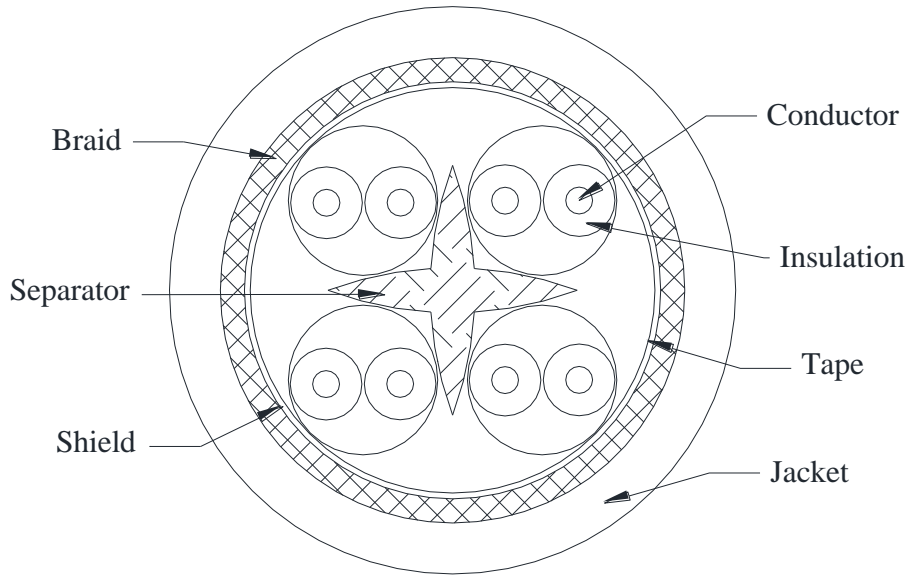


DEFENSE-LINK™ Shipboard LSC5OS-4



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

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

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)	(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			
36070		4 Pair 24 AWG Solid Bare Copper Category 5e Shielded Shipboard LSC5OS-4	330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839			
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