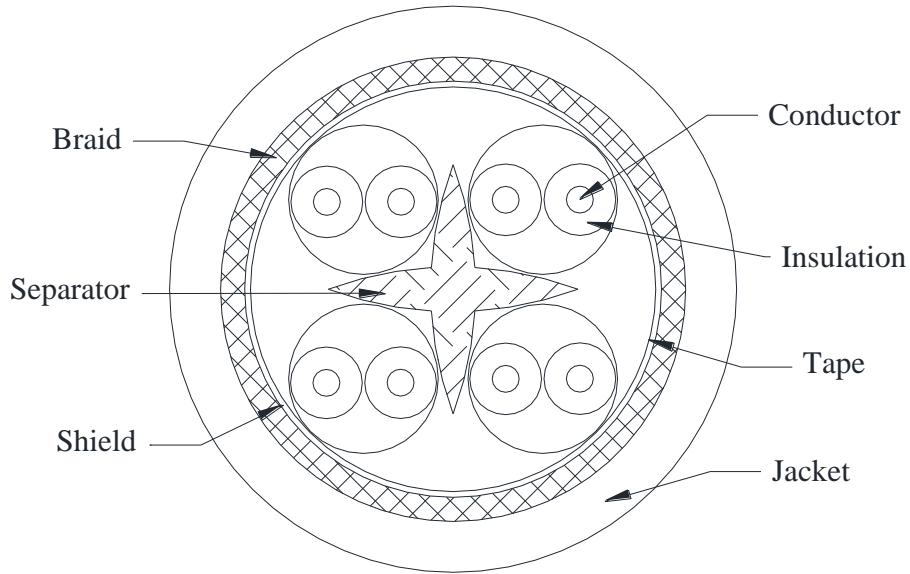


# DEFENSE-LINK™ Shipboard LSC5POS-4



## 1. Construction:

- 1.1. Conductors: 24 AWG Stranded 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 = 0.330"

### 1.9. JACKET PRINT:

COMTRAN CABLE LLC LSC5POS-4 M24643/61-02UD  
 XLPOLYO YYYY

YYYY = Year of Manufacture

## 2. Physical Characteristics:



- 2.1. Nominal Cable Weight: 59.0lbs./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/2017-354

## 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

<b>TITLE:</b>		<b>DESCRIPTION</b>			<b>Comtran Cable LLC</b>		 	
<b>36371</b>		4 Pair 24 AWG Stranded Bare Copper Category 5e Shielded Shipboard M24643/61			330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839			
Rev	Date	Detail	Eng.	App.				
2	02/02/18	Updated QPL Approval Ser number	WC	RN				
1	11/29/16	First Release	BAL	RN				

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# DEFENSE-LINK™ Shipboard LSC5POS-4


## Category 5e Electricals

(Per ANSI/TIA 568-C.2)

	Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
Freq.	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
(MHz.)	(Min)	(Max)	(Min)	(Min)	(Min)	(Min)
1	20	2.4	65.3	62.3	63.8	60.8
4	23	4.9	56.3	53.3	51.7	48.7
8	24.5	6.9	51.8	48.8	45.7	42.7
10	25	7.8	50.3	47.3	43.8	40.8
16	25	9.9	47.3	44.3	39.7	36.7
20	25	11.1	45.8	42.8	37.7	34.7
25	24.2	12.5	44.3	41.3	35.8	32.8
31.25	23.3	14	42.9	39.9	33.9	30.9
62.5	21.7	20.4	38.4	35.4	27.8	24.8
100	19.0	26.4	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

<b>TITLE:</b>		<b>DESCRIPTION</b>		<b>Comtran Cable LLC</b> <b>330A Turner Street</b> <b>South Attleboro, MA 02703</b> <b>Phone: 508-399-7004</b> <b>Fax: 508-399-8839</b>		 <small>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</small>	
<b>36371</b>		4 Pair 24 AWG Stranded Bare Copper Category 5e Shielded Shipboard M24643/61					
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