



# MIL-DTL 24643/69

## 4 x 40 Ohm Coax

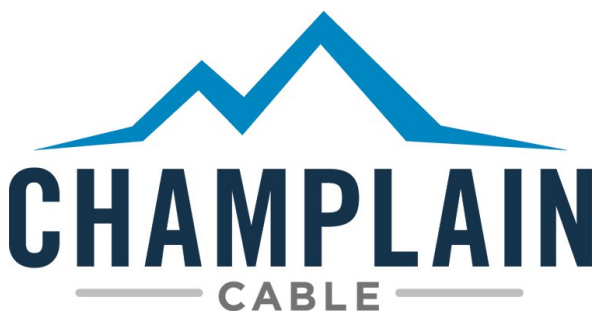
### Water-Blocked

**Champlain Cable** has a long history of success in the development and manufacture of data communication cables. We are the first supplier to be qualified by the US Naval Sea Systems Command (NAVSEA) for supply of all variants of MIL-DTL 24643/69. With over 10 years of various first-QPL approvals totaling over 25 million feet of data cables installed on Naval vessels, no one else comes close. **Dataclear**<sup>®</sup> is the brand you can count on for Reliability, Service and Price.

**Dataclear<sup>®</sup> Marine/69** cables are Low Smoke Zero Halogen (LSZH) multi-coax data transmission cables to serve the shipboard market. **Dataclear Marine/69** provides two major solutions for shipboard communications:

- Replacement of halogenated insulations (PVC, Fluoropolymers) in confined shipboard compartments, thereby eliminating a major source of halogenated toxic gases in the event of fire.
- Maintains exceptional data transmission communication capabilities in accordance with or exceeding commercial Coaxial protocol standards.

Product Variants	MIL-DTL 24643/69 Type	Lines	Conductor	Shield per Line	Water-blocked	Jacket Color	Cable OD (nom)
LSC264-4-LSZH/69	LSC264-4	4	13-14 solid TC	Double	Yes	Black	0.750"





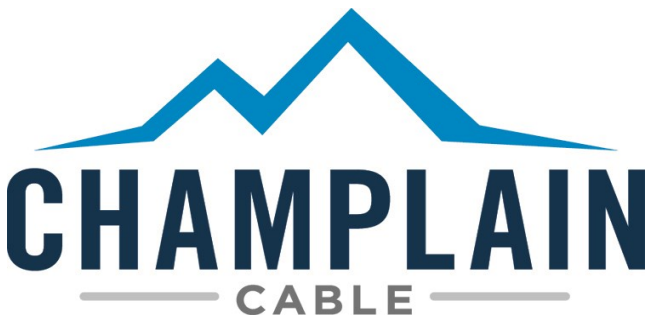
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ELECTRICAL PROPERTIES	
DC Resistance, max.	2.5 Ohms/1000 Ft
DC Resistance Unbalance, max	5%
Char. Impedance (0.2 to 20 MHz)	40 Ohms +/-2 Ohms
Voltage Withstand—Cond to Cond	5.0K VAC
Voltage Withstand—Cond to Shield[s]	2.5K VAC
Voltage Withstand—Shield to Shield[s]	500 VAC

PHYSICAL PROPERTIES	
<b>Tensile Strength:</b>	
Insulation (Un-aged)	700 min
Jacket (Un-aged)	1300 min
Insulation (Retention after 168hrs at 136°C)	80% min
Jacket (Retention after 168hrs at 136°C)	60% min
<b>Elongation:</b>	
Insulation (Un-aged)	150% min
Jacket (Un-aged)	160% min
Insulation (Retention after 168hrs at 136°C)	80% min
Jacket (Retention after 168hrs at 136°C)	60% min
Cross-link proof test (Jacket, Percent maximum)	50%
Flame Propagation (Cable)*	No Failure

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**Manufacturing Locations:**  
 Colchester, Vermont  
 El Paso, Texas