



MIL-DTL 24643/65 Multi-179 Coax Cable

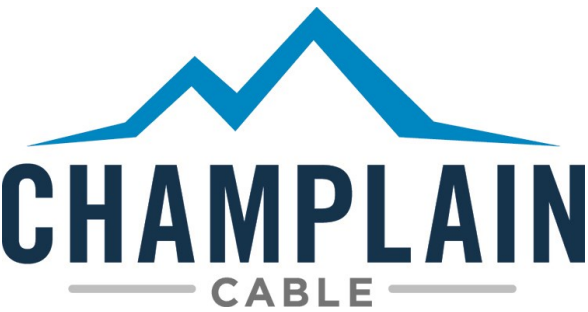
3C RG179 and 6C RG179, Non Water-Blocked

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 24643/65. 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**[®] is the brand you can count on for Reliability, Service and Price.

Dataclear[®] **Marine/65** cables are Low Smoke Zero Halogen (LSZH) coaxial data cables to serve the shipboard market. **Dataclear**[®] **Marine/65** provides two major solutions for shipboard communications:

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

MIL-DTL 24643/65 Type	Number of Coaxes	Conductor	Shield per Line	Water-blocked	Jacket Color	Cable OD (nom)
LS3C179DT-01U0	3	28 solid TC	Double	No	Black	0.350"
LS6C179DT-02U0	6	28 solid TC	Double	No	Black	0.440"





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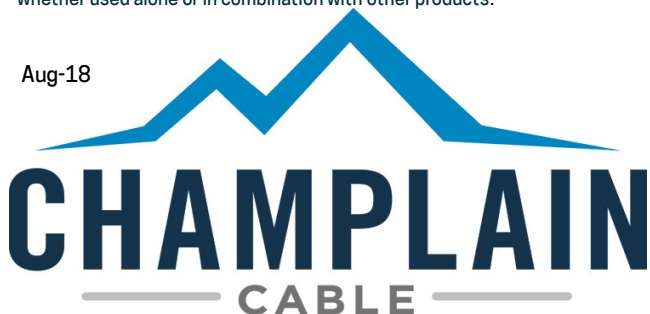
Multi-179 Coax Cable

ELECTRICAL PROPERTIES	
DC Resistance, max.	110 Ohms/1000 ft
DC Resistance Unbalance, max	5%
Char. Impedance (0.2 to 20 MHz)	75 Ohms +/-5 Ohms
Voltage Withstand—Cond to Cond	2.0KVAC
Voltage Withstand—Cond to Shield[s]	1.0KVAC

PHYSICAL PROPERTIES	
Tensile Strength:	
Insulation (Un-aged)	600 min
Jacket (Un-aged)	1300 min
Insulation (Retention after 168hrs at 136°C)	95% min
Jacket (Retention after 168hrs at 136°C)	90% min
Elongation:	
Insulation (Un-aged)	160% min
Jacket (Un-aged)	160% min
Insulation (Retention after 168hrs at 136°C)	90% min
Jacket (Retention after 168hrs at 136°C)	80% min
Cross-link proof test (Jacket, Percent maximum)	50%
Flame Propagation (Cable)*	No Failure

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Aug-18



Manufacturing Locations
Colchester, Vermont
El Paso, Texas