



**MIL-DTL-24640 LIGHT WEIGHT  
 NAVY SHIPBOARD CABLE**

**Power Cable, for use in Watertight with Circuit Integrity,  
 Non-flexing Service**

**CONSTRUCTION DETAILS:**

**CONDUCTOR:** 7 Strand bare copper sealed for watertightness.  
**INSULATION:** Taped composite insulation of mica/glass and polyimide.  
**INSULATION COATING:** Polyimide resin coating.  
**OVERALL SHIELD:** (When applicable) Braided tinned copper offering minimum coverage of 90%,  
 and sealed for watertightness.  
**JACKET:** Crosslinked low smoke zero halogen (LSZH) polyolefin (XLPOLYO).  
**ARMOR:** (Available upon request) Overall braid of aluminum alloy 5154 offering  
 minimum coverage of 88%.

PART NUMBER & NAVY PIN	TYPE	OVER-ALL SHIELD	AWG	NUM. OF COMPO-NENTS	IDENTIFICATION		CABLE OD	CU WGT	TOT. WGT
					COLOR CODE	COLOR CODE METHOD			
M24640/19-01UN	DXW-3		16(7)BC	2 COND	STD	1	0.248	16.9	50
M24640/19-02UN	DXW-4		14(7)BC	2 COND	STD	1	0.292	26.9	71
M24640/19-01UO	DXOW-3	X	16(7)BC	2 COND	STD	1	0.305	28.7	98.6
M24640/19-02UO	DXOW-4	X	14(7)BC	2 COND	STD	1	0.341	43.3	125.4
M24640/20-01UN	TXW-3		16(7)BC	3 COND	STD	1	0.256	25.4	65.2
M24640/20-02UN	TXW-4		14(7)BC	3 COND	STD	1	0.303	40.4	99.1
M24640/20-01UO	TXOW-3	X	16(7)BC	3 COND	STD	1	0.317	40.4	113.5
M24640/20-02UO	TXOW-4	X	14(7)BC	3 COND	STD	1	0.356	58.3	147.5
M24640/21-01UN	FXW-3		16(7)BC	4 COND	STD	1	0.276	33.8	78.2
M24640/21-02UN	FXW-4		14(7)BC	4 COND	STD	1	0.327	53.8	115.1
M24640/21-01UO	FXOW-3	X	16(7)BC	4 COND	STD	1	0.34	48.8	131.6
M24640/21-02UO	FXOW-4	X	14(7)BC	4 COND	STD	1	0.38	71.4	164.9
M24640/22-01UN	7XW-3		16(7)BC	7 COND	STD	1	0.33	59.2	110
M24640/22-02UN	7XW-4		14(7)BC	7 COND	STD	1	0.385	94.2	162

*Service and Performance through Innovation, Quality and Delivery*

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