



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

**Control 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			
M24640/23-01UN	MXCW-7		18(7)BC	7 COND	STD	1	0.307	37.0	90
M24640/23-02UN	MXCW-10		18(7)BC	10 COND	STD	1	0.390	52.8	139
M24640/23-03UN	MXCW-14		18(7)BC	14 COND	STD	1	0.418	74.0	173
M24640/23-04UN	MXCW-19		18(7)BC	19 COND	STD	1	0.457	100.4	215
M24640/23-05UN	MXCW-24		18(7)BC	24 COND	STD	1	0.535	126.8	295
M24640/23-06UN	MXCW-30		18(7)BC	30 COND	STD	1	0.567	158.5	340
M24640/23-07UN	MXCW-37		18(7)BC	37 COND	STD	1	0.604	195.5	398
M24640/23-08UN	MXCW-44		18(7)BC	44 COND	STD	1	0.676	232.5	492
M24640/23-09UN	MXCW-61		18(7)BC	61 COND	STD	1	0.749	322.3	640
M24640/23-01UO	MXCOW-7	X	18(7)BC	7 COND	STD	1	0.353	52.5	140
M24640/23-02UO	MXCOW-10	X	18(7)BC	10 COND	STD	1	0.431	77.1	185
M24640/23-03UO	MXCOW-14	X	18(7)BC	14 COND	STD	1	0.457	103.6	225
M24640/23-04UO	MXCOW-19	X	18(7)BC	19 COND	STD	1	0.496	134.2	280
M24640/23-05UO	MXCOW-24	X	18(7)BC	24 COND	STD	1	0.577	162.2	362
M24640/23-06UO	MXCOW-30	X	18(7)BC	30 COND	STD	1	0.61	214.7	399
M24640/23-07UO	MXCOW-37	X	18(7)BC	37 COND	STD	1	0.642	252.6	466
M24640/23-08UO	MXCOW-44	X	18(7)BC	44 COND	STD	1	0.717	294.5	574
M24640/23-09UO	MXCOW-61	X	18(7)BC	61 COND	STD	1	0.787	393.9	715

*Service and Performance through Innovation, Quality and Delivery*

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