

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
K	CR R-0000118264	15-06-24	MGW/CPH

1. NOTES

- 1.1 SUGGESTED SOURCE(S) OF SUPPLY: SEE TABLE.
- 1.1.1 IDENTIFICATION OF THE "SUGGESTED SOURCE(S) OF SUPPLY" HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUED AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM(S).
- 1.2 FOR LOCKHEED MARTIN ONLY.
- 1.2.1 REMOVED
- 1.2.2 WEIGHT: 3.2 LBS PER 100 FEET, ESTIMATED.
- 1.3 PART 1 INACTIVE FOR NEW DESIGN. FOR SIMILAR PART SEE MI7/130.
- 2. REQUIREMENTS
- 2.1 ELECTRICAL REQUIREMENTS
- 2.1.1 IMPEDANCE: 50.0 ±1.0 OHMS.
- 2.1.2 WORKING VOLTAGE: 1900 VOLTS RMS, 60 HERTZ.
- 2.1.3 TEST VOLTAGE: 5000 VOLTS RMS, 60 HERTZ.
- 2.1.4 MAXIMUM ATTENUATION IN DB PER 100 FEET: 8.2 AT .5 GIGAHERTZ; 11.8 AT 1 GIGAHERTZ; 29.5 AT 5 GIGAHERTZ; 45 AT 10 GIGAHERTZ.
- 2.2 MECHANICAL REQUIREMENTS
- 2.2.1 MATERIALS AND FINISHES
- 2.2.1.1 OUTER CONDUCTOR: COPPER, TIN-PLATED TO WITHSTAND REQUIREMENT 2.4.5.
- 2.2.1.2 DIELECTRIC: POLYTETRAFLUOROETHYLENE.
- 2.2.1.3 CENTER CONDUCTOR: SILVER PLATED COPPER COVERED STEEL, SOLID WIRE.
- 2.2.1.4 JACKET: FLUORINATED ETHYLENE PROPYLENE (FEP), COLOR BLACK. SEE FIGURE 2.
- 2.2.2 MINIMUM BEND RADIUS: .250.
- 2.2.3 PACKAGING: UNLESS OTHERWISE STATED ON PROCUREMENT DOCUMENT, CABLE SHALL BE SHIPPED IN COILS 12.00 TO 24.00 INCH IN DIAMETER.
- 2.3 OPERATING CONDITIONS. PARTS SHALL BE CAPABLE OF MEETING ALL REQUIREMENTS OVER OPERATING CONDITIONS.
- 2.3.1 AMBIENT TEMPERATURE: -57 TO +65 DEGREES C OPERATING.
- 2.3.2 RELATIVE HUMIDITY: UP TO 95 PERCENT INCLUDING CONDENSATION.
- 2.3.3 ALTITUDE: 15,000 FEET OPERATING, 40,000 FEET NON-OPERATING.
- 2.4 NON-OPERATING CONDITIONS: PARTS SHALL BE CAPABLE OF MEETING THE ENVIRONMENTAL AND PHYSICAL TESTS AND, EXCEPT FOR SALT SPRAY, REMAIN WITHIN ALL REQUIREMENTS OF THIS DRAWING THEREAFTER.

- 2.4.1 TEMPERATURE CYCLING: MIL-STD-202, METHOD 102, CONDITION D, EXCEPT TEMPERATURES TO BE -62 AND +75 DEGREES C.
- 2.4.2 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106. NO POLARIZATION OF LOADING VOLTAGE.
- 2.4.3 SHOCK: MIL-STD-202, METHOD 213, CONDITION H, WITH THE PART MOUNTED BY NORMAL MEANS.
- 2.4.4 VIBRATION: MIL-STD-202, METHOD 201, WITH THE PART MOUNTED BY NORMAL MEANS.
- 2.4.5 SALT SPRAY: MIL-STD-202, METHOD 101, CONDITION B, WITH NO DESTRUCTIVE CORROSION OF BASE METAL.
- 2.5 MARKING
- 2.5.1 IDENTIFY IN ACCORDANCE WITH MIL-STD-130.

PREPARED IN ACCORDANCE WITH MIL-STD-100A

**SPECIFICATION CONTROL DRAWING**

ALL SHEETS ARE THE SAME REVISION STATUS

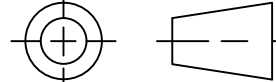
NEXT ASSY	USED ON	APPLICATION

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON

2 PL DECIMALS ±  
3 PL DECIMALS ±  
ANGLES ±

DIMENSIONS AND TOLERANCING IS IN ACCORDANCE WITH ANSI Y14.5 - 1973

THIRD ANGLE PROJECTION



CONTR NO	N00039-80-C-0482	
SIGNATURES	YR-MO-DY	
CAD	J. HUDEN	72-11-22
PROD		
ENGR	G. WICHERT	72-12-18
ISSUED	G. DALEY	72-12-19

LOCKHEED MARTIN CORPORATION SYRACUSE, NY			
<b>CABLE, RADIO FREQUENCY</b>			
SIZE	CAGE CODE	DWG NO	REV
C	03538	77C712660	K
SCALE NONE		SHEET 1 OF 2	

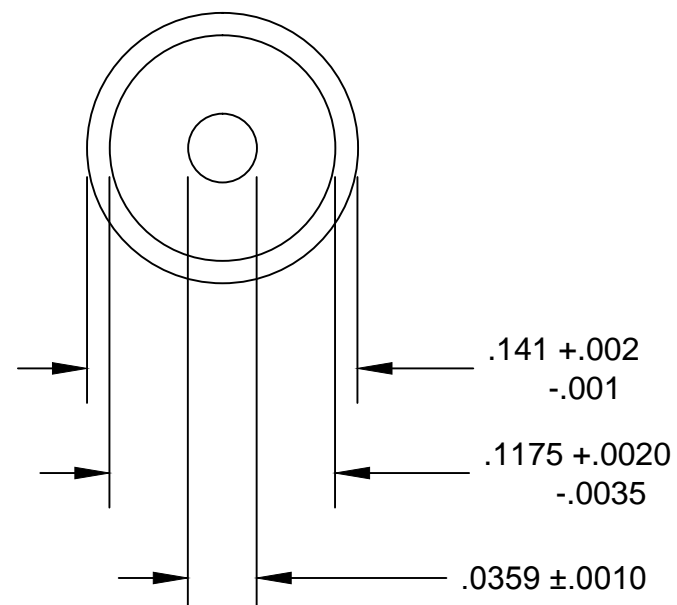
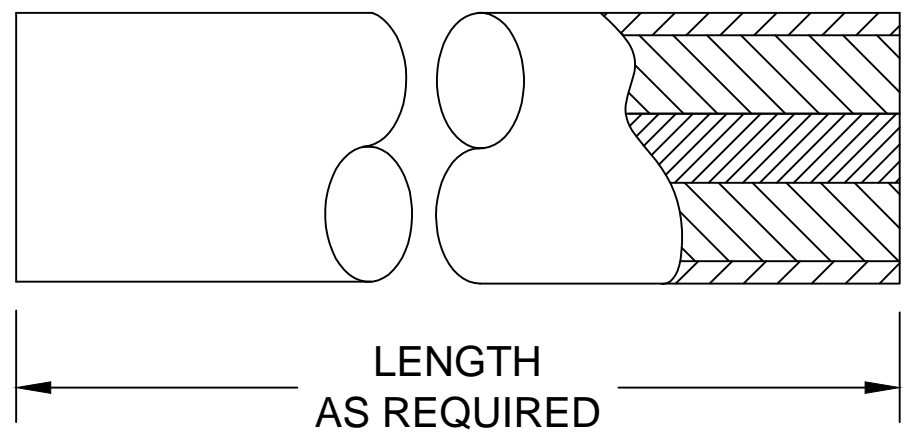


FIGURE 1

PART NO.	FIG NO.	MANUFACTURER'S ITEM IDENTIFICATION NUMBER	REMARKS
		EZFORM CABLE CORP. HAMDEN, CT CAGE CODE: 9W826	
1	1	302177	NOTE 1.3
2	2	302178	-

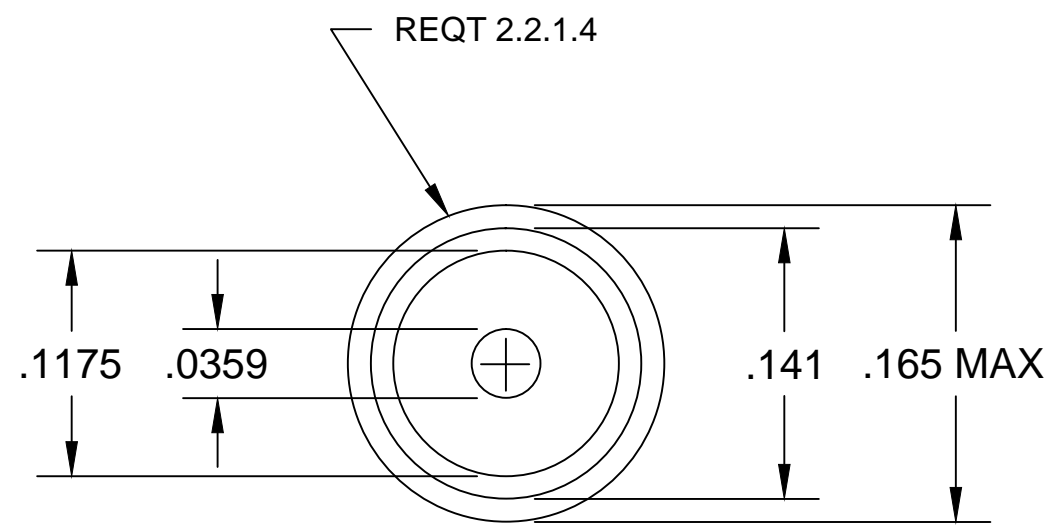
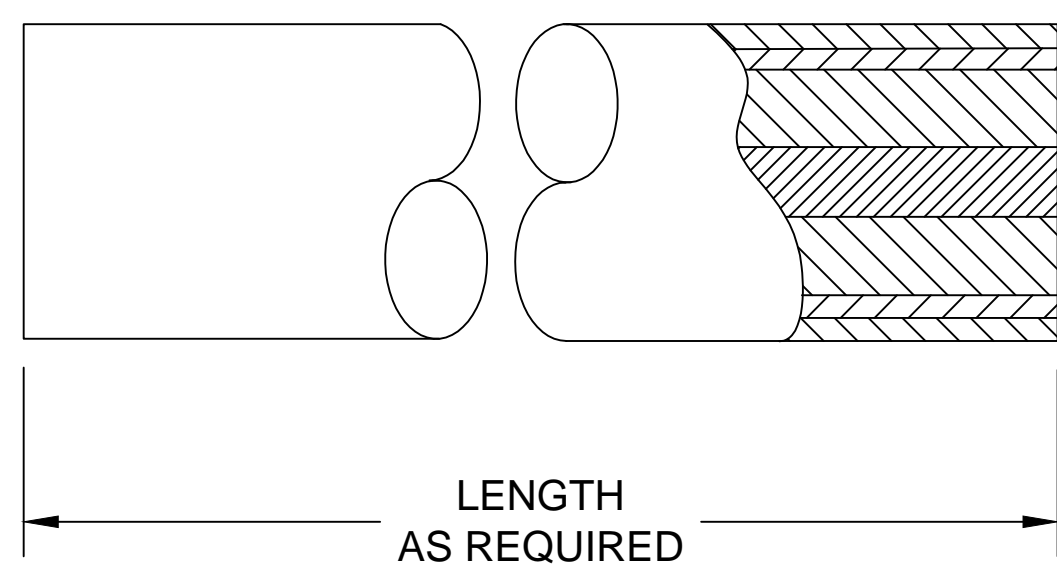


FIGURE 2

DIMENSIONS AND TOLERANCES SHOWN IN FIGURE 1 APPLY

SIZE	CAGE CODE	DWG NO	REV
C	03538	77C712660	K
SCALE	10/1	SHEET	2