

DWG NO. 608102 REV B

DATE	LET	REVISION	BY	CHK	APPROVALS
89-04-25		SEE ECR #14394	MR	GAN	WAC ES RW PAP
89-09-23	A	SEE ECR #15269	GAN		
11-25-96	B	EC:6380-235 (:)ADD SHELF LIFE NOTE	SPN	MW	

DESCRIPTION:

2 CONDUCTOR: 20 AWG (197.008) SHIELDED JACKETED KAPTON CABLE.

CONDUCTORS:

TWO 20 AWG SINGLES PER MIL-B817/11-20 OPTIONAL COLORS. THE SINGLES MUST BE MANUFACTURED BY A GOVERNMENT OPL SUPPLIER. THE MANUFACTURER MUST BE IDENTIFIED IN THE CERTIFICATE OF CONFORMANCE AND THE C OF C MUST BE FURNISHED WITH THE SHIPMENT.

CABLE LAY-UP:

1. TWISTED: TWO SINGLES WITH TWO NON-WICKING FILLERS. 1 1/2 - 1 3/4 LEFT HAND LAY
2. BRAID: TINNED COPPER. 8 ENDS - .005". 85% COVERAGE MINIMUM.
3. WRAP: 1/2 LAP MYLAR TAPE.

JACKET (EXTRUDED DIRECTLY ONTO CABLE)

EXTRUDED NEOPRENE MEETING THE REQUIREMENTS OF MIL-R-6855, CLASS 11, TYPE A, GRADE 60 WITH THE FOLLOWING ADDITIONAL REQUIREMENTS AND EXCEPTIONS:

1. MATERIAL MUST MEET THE FUNGUS RESISTANCE REQUIREMENTS OF MIL-E-5272, PARA. 4.8
2. ONE 18 INCH MINIMUM LENGTH OF TUBED JACKET SHALL MEET THE FOLLOWING REQUIREMENTS WHEN SUBJECTED TO THE IGNITION TEST OF MIL-C-915.
 - A. MINIMUM IGNITION TIME OF 30 SECONDS.
 - B. MAXIMUM BURNING TIME OF 120 SECONDS.
 - C. MAXIMUM FLAME TRAVEL OF 2 INCHES.
3. TEMPERATURE REQUIREMENTS FOR LOW TEMPERATURE TESTS (COLD BEND) EXPOSURE TO BE -30±2°F INSTEAD OF -67±2°F.
4. MARKING SHALL AS A MINIMUM INCLUDE MANUFACTURERS IDENTIFICATION AND CURE DATE.

CABLE DIAMETER:

Ø.200 MAX. WALL THK .020 MIN.

INSPECTION:

1. CHECK O.D.
2. CONTINUITY, EACH CONDUCTOR & SHIELD.
3. MINIMUM INSULATION RESISTANCE SHALL BE 500 MEGOHMS MINIMUM AT 500±50 VDC BETWEEN CONDUCTORS AND BETWEEN CONDUCTORS IN COMMON AND SHIELD.
4. CABLE SHALL BE CAPABLE OF PASSING THE FOLLOWING HYDROSTATIC TEST:
 - A. SEAL CABLE ENDS WITH EPOXY OR SIMILAR MATERIAL.
 - B. SUBJECT TO 130-135 PSIG HYDROSTATIC PRESSURE FOR 30 MINUTES MINIMUM.
 - C. CUT ONE HALF INCH MINIMUM FROM EACH CABLE END. REPEAT TESTS 2 AND 3 WITHIN ONE HOUR OF HYDRO TEST. EXCEPT MINIMUM INSULATION RESISTANCE SHALL BE 20 MEGOHMS MINIMUM.

SHELF LIFE:

1. THIS CABLE HAS A SHELF LIFE OF 6 QUARTERS (18 MONTHS) FROM THE CURE DATE OF THE CABLE.

CURRENT DESIGN ACTIVITY CAGE CODE 97424

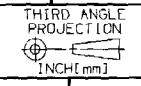


AEROSPACE PRODUCTS INC. WILMINGTON, MA.

608102-00
PART NUMBER

DRAWN	CHECKED	ENG. APPR.	ENG. APPR.	ENG. APPR.	APPROVED	RE-APPROVED
MR	GAN	WAC	ES	PAP	RW	M WOODS
89-04-25	89-05-02	89-05-02	89-05-02	89-05-02	89-05-02	11-25-96

ITEM CLASS 37
UNIT OF MSR FT



Revere
AEROSPACE
WALLINGFORD, CONNECTICUT

UNLESS OTHERWISE SPECIFIED		
BREAK SHARP EDGES .01 - .03	125 SURFACE ROUGHNESS PER ANSI B46.1	ALL DIMENSIONS APPLICABLE AFTER SURFACE TREATMENT

ALLOWABLE TOLERANCES			
FRACTIONS ±	INCHES 2 PL DEC. ± .03 3 PL DEC. ± .005	ANGLES ± 2°	MILLIMETERS 1 PL DEC ± 0.8 2 PL DEC ± 0.13

608140-00	608139-00
NEXT ASSY	USED ON
APPLICATION	

CABLE-2 COND KAPTON SHIELDED JACKETED	
CAGE NO. 50625	DRAWING NUMBER 608102
SIZE B	SCALE 1/1

PROPRIETARY

THIS DRAWING CONTAINS PROPRIETARY INFORMATION WHICH SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DRAWINGS OR DISCLOSED TO OTHERS OR USED FOR MANUFACTURING OR ANY OTHER PURPOSE WITHOUT WRITTEN PERMISSION OF REVERE AEROSPACE, INC. WHERE RELATED TO A UNITED STATES GOVERNMENT CONTRACT, SUCH INFORMATION MAY BE DISCLOSED AS PROVIDED IN SUCH CONTRACT AND MAY BE USED BY THE UNITED STATES GOVERNMENT FOR MAINTENANCE, SERVICING, AND REPAIR PURPOSES OR AS OTHERWISE PROVIDED BY SUCH PRIOR WRITTEN PERMISSION.

STOCK SIZE	HEAT TREAT
MATERIAL SPEC.	FINISH SPEC.

THREADS PER HANDBOOK H-28 AND MIL-STD-3	DIMENSIONING & TOLERANCING PER ANSI Y14.5M-1982
WEIGHT	CONTRACT NO.

DO NOT SCALE DWG	SHEET 1 OF 1
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