

DWG. NO. 604855 REV. D

DESCRIPTION:

2 CONDUCTOR: 16 AWG (19/0.113) SHIELDED JACKETED KAPTON CABLE.

CONDUCTORS:

TWO 16 AWG SINGLES PER MIL-881/11-16 OPTIONAL. COLORS. THE SINGLES MUST BE MANUFACTURED BY A GOVERNMENT O&L 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 ONE EGS-4U UNTREATED GLASS CORD FILLER IN ONE INTERSTICE AND ONE 20 AWG STRANDED SILVERED COPPER UNINSULATED DRAIN WIRE IN THE OTHER. 1/2 - 1 3/4 LEFT HAND LAY.

2. BRAID: TINNED COPPER, 8 ENDS - .005"

3. WRAP: 1/2 LAP NYLAR TAPE.

JACKET: (EXTRUDED DIRECTLY ONTO CABLE)

EXTRUDED NEOPRENE MEETING THE REQUIREMENTS OF MIL-R-6825, CLASS II, TYPE A, GRADE 50 WITH THE FOLLOWING ADDITIONAL REQUIREMENTS AND EXCEPTIONS.

1. MATERIAL MUST MEET THE FLAMMABILITY 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.287 - .310

INSPECTION:

1. CHECK O.D.

2. CONTINUITY, EACH CONDUCTOR & SHIELD (DRAIN WIRE).

3. DRY DIELECTRIC TEST @ 2000 VOLTS AC/10 SECONDS CONDUCTOR- CONDUCTOR.

4. WET DIELECTRIC TEST @ 1000 VOLTS AC/10 SECONDS SHIELD (DRAIN SHIELD)-TANK

SHELF LIFE:

1. THIS CABLE HAS A SHELF LIFE OF 9 QUARTERS (18 MONTHS) FROM THE CURE DATE OF THE CABLE.

DATE	LET.	REVISION	BY	CHK	APPROVALS
88-09-28	C	SEE ECR 11509	GN	MC	ES
11-25-95	D	ECR 98-235 (1) ADD SHELF LIFE NOTE	SP	MI	VS

CURRENT DESIGN ACTIVITY CAGE CODE 97424

AMETEK

AEROSPACE PRODUCTS INC. WILMINGTON, MA.

604855-00

PART NUMBER

DRAWN	CHECKED	ENG. APPR.	ENG. APPR.	ENG. APPR.	APPROVED	RE-APPROVED
JG	JBC		WAC		PAP	M WOODS
85-01-14	85-01-14		85-01-14	89-05-02	85-01-15	11-25-95

ITEM CLASS 37
UNIT OF MSR FT



Revere
AEROSPACE
WALLINGFORD, CONNECTICUT

UNLESS OTHERWISE SPECIFIED			
BREAK SHARP EDGES	1/32"	SURFACE FINISH	ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED AFTER SURFACE TREATMENT

ALLOWABLE TOLERANCES			
FRACTIONS	INCHES	MILLIMETERS	INCHES
±	2 PL DEC. 1-03 3 PL DEC. 1-003	±2"	1 PL DEC 4 0.9 2 PL DEC 4 0.13

STOCK SIZE	HEAT TREAT

MATERIAL SPEC.	FINISH SPEC.

607535-00

607536-00

APPLICATION

CABLE-2 COND KAPTON SHIELDED JACKETED

WEIGHT

CAGE NO. 50625

SCALE 1/1

SIZE B

DRAWING NUMBER 604855

DD NOT SCALE DWG

CONTRACT NO.

SHEET 1 OF 1

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#EC's Released/Required: -NONE-

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