

DWG NO 608534 REV E

DATE	LET.	REVISION	BY	CHK	APPROVALS
09-11-14	-	SEE EDR #15025	WH	FXC	WAC PAP RWJ RA
09-04-16	A	EDR #15302	GM	TE	WAC ES TM PAF
09-07-05	B	EDR #15391	GM	TE	WAC ES TM PAF
4-8-96	C	EDR #16300-91 ADD RES ACTIVITY STICKER	PEI	NO	ED
11/4/98	D	EDR #16300-98 (1) REVISED CONSTRUCTION WAS 1/2 INCH WIDE	PEI	NO	ED
2/13/01	E	EC018380-834 (1) REVISED DESCRIPTION NOTE	WH	FXC	CP

DESCRIPTION:

4 TWISTED PAIRS OF 16 AWG WIRE COMMERCIAL EQUIVALENT OF MIL-DTL-81381/11-16 WIRE EXCEPT WITH A CLEAR TOPCOAT (I.E. NO COLOR CODING OR MARKING ON THE INDIVIDUAL CONDUCTOR JACKETS). INDIVIDUAL CONDUCTORS MUST STILL MEET ALL APPLICABLE ELECTRICAL REQUIREMENTS OF MIL-DTL-81381/11-16. SHIELDED WITH SILVER-COATED COPPER BRAID AND JACKETED WITH FUSED KAPTON.

CONSTRUCTION:

TWIST THE FOUR PAIRS TOGETHER AND WRAP WITH A 1/2 LAP WRAP OF .0025 THICK KAPTON TAPE. SHIELD WITH A 36 AWG SILVER COATED COPPER BRAID (90% MIN. COVERAGE) AND JACKET WITH A 1/2 LAP WRAP OF 1 1/4 INCH WIDE .0025 THICK FUSED KAPTON TAPE.

INSPECTION:

- 1.0 VISUAL
- 2.0 CHECK CONTINUITY
- 3.0 INSULATION RESISTANCE BETWEEN CONDUCTORS SHALL BE 100 MEGOHMS AT 500VDC, AND 100 MEGOHMS AT 50VDC BETWEEN CONDUCTORS AND SHIELD.
- 4.0 O.D. .37 MAX.

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CURRENT DESIGN ACTIVITY CAGE CODE 97424



AEROSPACE PRODUCTS INC. WILMINGTON, MA.

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		WH	FXC	WAC	PAP	RWJ	RA	2/9/01
		89-11-14	98-11-5	89-12-15	90-03-12	90-03-14	90-03-05	8/16/01
		THIRD ANGLE PROJECTION		<p>Revere AEROSPACE</p> <p>WALLINGFORD, CONNECTICUT</p>				
UNLESS OTHERWISE SPECIFIED		608524-03	608214-03	CABLE-ELECTRICAL				
BREAK SHARP EDGES 01 .03		608524-01	608214-01	4 PAIRS				
SIZE 1/16		NEXT SIZE		USED ON				
SURFACE FINISHES PER ASST 848 1		APPLICATION		CAGE NO.		SIZE	DRAWING NUMBER	
ALL DIMENSIONS APPLICABLE AFTER SURFACE TREATMENT				50625		B	608534	
ALLOWABLE TOLERANCES				SCALE				
FRACTIONS ±	INCHES 2 PL DEC + .03 3 PL DEC + .005	ANGLES 42°	MILLIMETERS 3 PL DEC + 0.8 2 PL DEC + 0.13	WEIGHT				
STOCK SIZE		HEAT TREAT		CONTRACT NO.		SHEET 1 OF 1		
MATERIAL SPEC.		FINISH SPEC.		DO NOT SCALE DWG				

AMETEK Proprietary; 09/18/01; ISSUED_FOR_PRODUCTI
 -#EC's Released/Required: -NONE-

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