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**REV.
B**

AS24208™

FEDERAL SUPPLY CLASS
6150

RATIONALE

AS24208A IS BEING STABILIZED BECAUSE THE PROCESSES/PRODUCT IS CONSIDERED MATURE AND THE COMMITTEE DOES NOT ANTICIPATE FUTURE TECHNICAL CHANGES. STABILIZATION DOES NOT IMPLY THE PROCESS OR PRODUCT IS UNACCEPTABLE FOR APPLICATIONS FOR WHICH IT IS DESIGNED. ANY TECHNICAL CHANGES NOTED BY A SUPPLIER OR USER WHICH RESULTS IN A PRODUCT OR REQUIREMENT CHANGE WILL BE ADDRESSED BY A NEW REVISION. THE COMPONENTS ARE USED FOR REPLACEMENT ONLY. A QUALIFIED SUPPLIER IS STILL MAINTAINED.

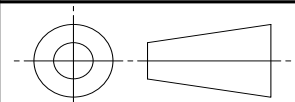
STABILIZED NOTICE

THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY SAE AE-8A ELEC WIRING AND FIBER OPTIC INTERCONNECT SYSTEMS INSTALLATION COMMITTEE AND WILL NO LONGER BE SUBJECTED TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES AND CONTINUED SUITABILITY OF TECHNICAL REQUIREMENTS. NEWER TECHNOLOGY MAY EXIST.

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For more information on this standard, visit
<https://www.sae.org/standards/content/AS24208B/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8A

PROCUREMENT SPECIFICATION: AS7974



AEROSPACE STANDARD

CABLE AND PLUG ASSEMBLY,
EXTERNAL POWER 115/200 VOLTS
3 PHASE, SINGLE POINT REFUELING

AS24208™

**REV.
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NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7974.

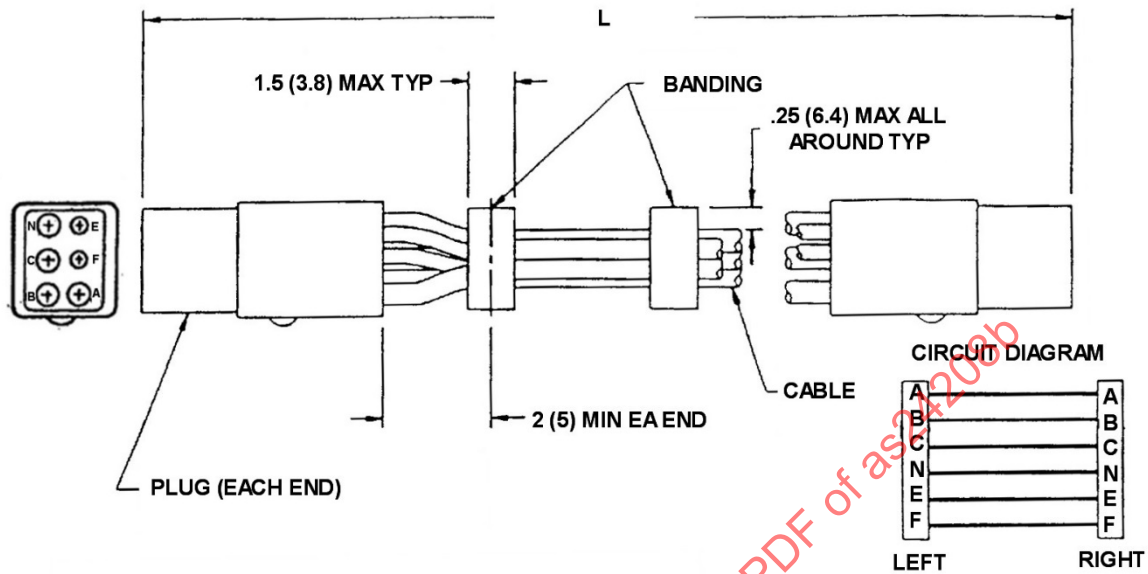


FIGURE 1 – AS24208 CABLE ASSEMBLY

TABLE 1 – AS24208 CABLE ASSEMBLY DETAILS

PART NUMBER MS24208-	$L \pm 6$ (15)	CABLE SIZE A, B, C, N	CABLE SIZE E, F
1	60 feet (18.3 m)	4	12

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7974.

1. CONFIGURATION:

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE $\pm .25$ (0.64 CM). METRIC DIMENSIONS ARE BASED ON 2.54 CM/IN. ENGLISH UNITS TAKE PRECEDENCE OVER METRIC UNITS IN THE EVENT OF A CONFLICT.

CABLE ASSEMBLY CONFIGURATION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FIGURE 1, TABLE 1, AND AS7974. ASSEMBLY CONSISTS OF FOUR SIZE 4 SINGLE CONDUCTOR CABLES AND ONE SIZE 12 TWO CONDUCTOR CABLE PER AS5756/2 AND /4 RESPECTIVELY (SEE APPLICATION NOTES).

THE PLUGS SHALL BE MOLDED AND ATTACHED TO THE CABLES (SEE APPLICATION NOTES).

PLUGS SHALL BE IN ACCORDANCE WITH AS25486-30 EXCEPT THE SOCKET POWER CONTACTS SHALL BE CONFIGURED FOR CRIMPING A M5756/2-008 WIRE SIZE 4 CABLE.

2. MATERIALS:

PLUG MATERIAL SHALL BE IN ACCORDANCE WITH AS25486.

BAND MATERIAL SHALL BE IN ACCORDANCE WITH AS7974.

CABLE AND LEAD WIRE MATERIALS SHALL BE IN ACCORDANCE WITH AS5756.

3. PART IDENTIFICATION NUMBER (PIN)

AS24208 CABLE ASSEMBLY PIN SHALL BE AS FOLLOWS (SEE APPLICATION NOTES):

MS24208 -1

CABLE ASSEMBLY WITH END PLUGS (SEE TABLE 1)

DETAIL SPECIFICATION CONTROL NUMBER

4. IDENTIFICATION MARKING REQUIREMENT AND LOCATION:

THE MARKING REQUIREMENTS AND LOCATIONS SHALL BE IN ACCORDANCE WITH AS7974.

IDENTIFICATION MARKING ON THE MOLDED PLUG SHALL BE IN THE SAME LOCATION AS THE ATTACHABLE PLUG IDENTIFICATION MARKING (SEE AS7974).

PERMANENTLY MARKED "FOR SINGLE POINT REFUELING ONLY" BOTH SIDES ON EACH END PLUG BY STAMPED OR MOLDED LETTERS.

EACH PLUG SHALL HAVE A RED COLORED SURFACE OR HAVE A RED IDENTIFICATION ON THE RECEPTACLE INSERT PORTION OF THE PLUG.

5. CRIMP TOOLS:

CONTACTS SHALL BE CRIMPED WITH TOOLS SPECIFIED IN TABLE 2.


TABLE 2 – CRIMP TOOLS

CONTACT SIZE	CRIMP TOOL	WIRE CONDUCTOR CRIMP DIE	CRIMP TOOL	WIRE CONDUCTOR	
				CRIMP DIE (FORM)	CRIMP DIE (INDENT)
12-10	M22520/38-01	CAVITY C (YELLOW)	N/A	N/A	N/A
4	MS25441-01 (1/, 2/, 3/) M5259/3-01	MS90485-4	M5259/4-01 (2/) M5259/5-01	M5259/7-003	M5259/7-012

1/ SEE AS5259/1 FOR TOOL DETAILS AND AS5259/7 FOR DIE DETAILS.

2/ TOOL REQUIRES AS5259/2 HYDRAULIC HOSE AND PUMP.

3/ AN EQUIVALENT MS25441 AND MS90485 DIE APPROVED BY THE QUALIFYING ACTIVITY MAY USED ONLY FOR THE CABLE ASSEMBLY PURCHASES FOR THE UNITED STATES MILITARY.

	AEROSPACE STANDARD	AS24208™ SHEET 2 OF 3	REV. B
	CABLE AND PLUG ASSEMBLY, EXTERNAL POWER 115/200 VOLTS 3 PHASE, SINGLE POINT REFUELING		