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AS24208™

FEDERAL SUPPLY CLASS
6150

RATIONALE

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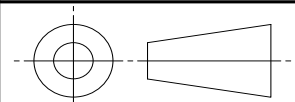
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THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY SAE AE-8A ELEC WIRING AND FIBER OPTIC INTERCONNECT SYSTEMS INSTALLATION COMMITTEE AND WILL NO LONGER BE SUBJECTED TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES AND CONTINUED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

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<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™

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ISSUED 2004-04 REAFFIRMED 2009-09 REVISED 2017-04 STABILIZED 2022-08

NOTICE

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

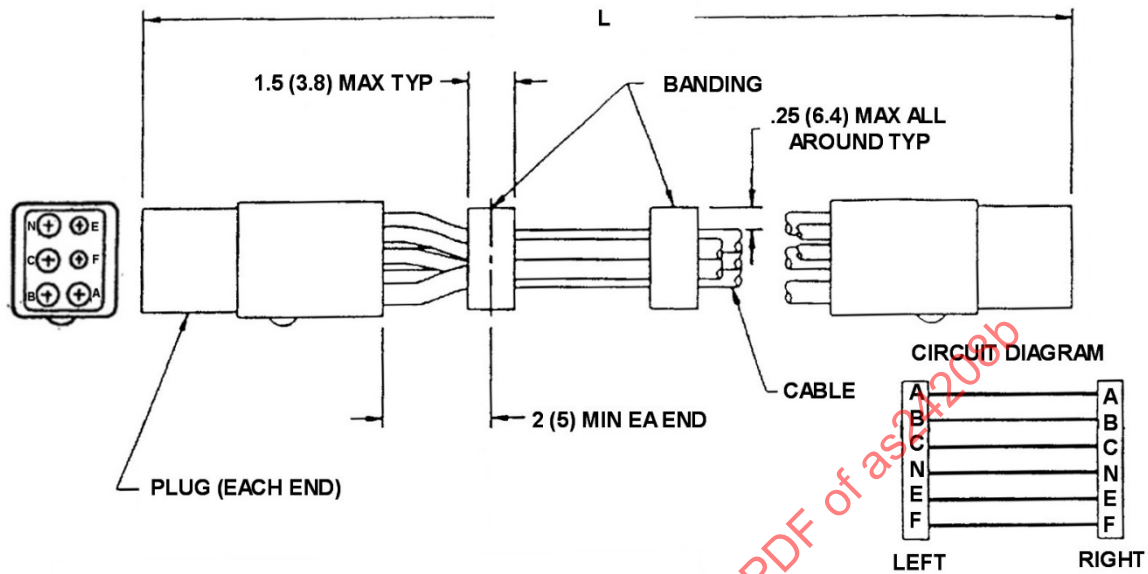


FIGURE 1 – AS24208 CABLE ASSEMBLY

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

1. CONFIGURATION:

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).

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.

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

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

_____ CABLE ASSEMBLY WITH END PLUGS (SEE TABLE 1)
 _____ DETAIL SPECIFICATION CONTROL NUMBER

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

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

CONTACTS SHALL BE CRIMPED WITH TOOLS SPECIFIED IN TABLE 2.

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.