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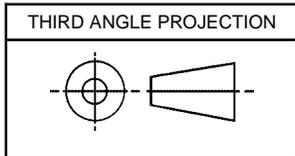
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AS90328

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PREPARED BY SAE SUBCOMMITTEE AE-8F

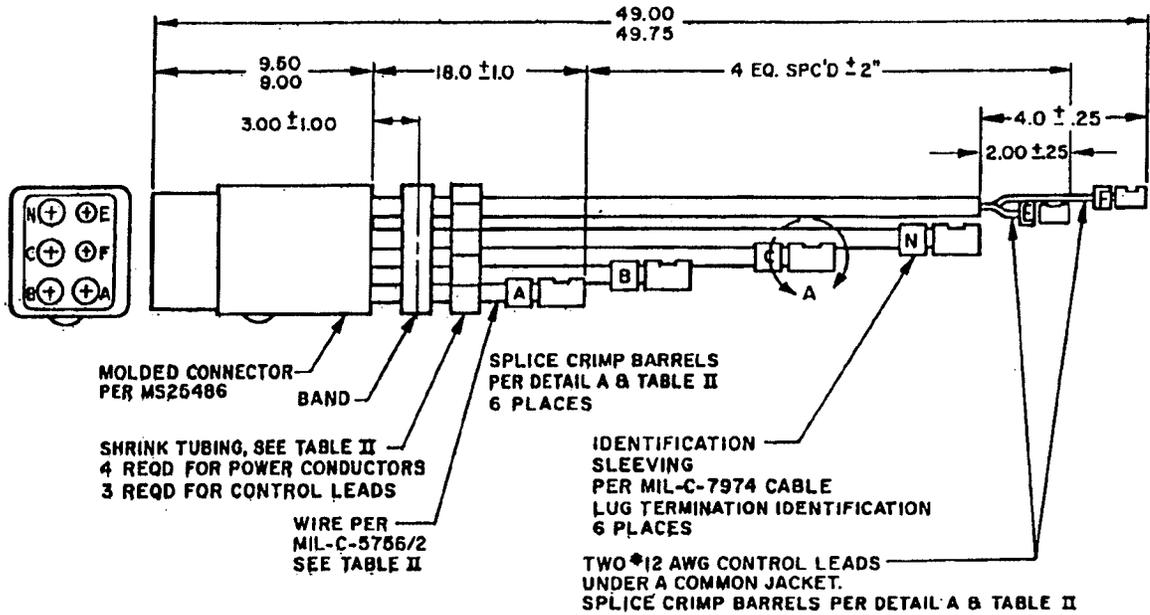


AEROSPACE STANDARD
CABLE ASSEMBLY
EXTERNAL ELECTRIC POWER,
AIRCRAFT 115/200 VOLT, 400 HERTZ

AS90328
SHEET 1 OF 4

ISSUED 2000-03 REAFFIRMED 2009-09

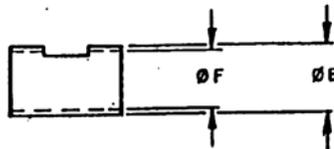
AS90328



SPLICE-ON REPLACEMENT PLUG

TABLE II.

PART NO.	A, B, C, N WIRE SIZE	SPLICE CRIMP BARRELS (SEE DETAIL A)		CONTROL LEAD SPLICE CRIMP BARRELS (SEE DETAIL A)		SHRINK TUBING, Ø x L (NOM)		TYPE
		Ø E	Ø F	Ø E	Ø F	A, B, C, N	CONTROL LEADS	
MS90328-37	0	.578/.558	.458/.438	.230/.210	.135/.128	1.25 x 6	.38 x 3-1/2 + .75 x 8	WITH CONTROL LEADS
MS90328-38	00	.640/.620	.520/.500	.230/.210	.135/.128	1.25 x 6	.38 x 3-1/2 + .75 x 8	WITH CONTROL LEADS
MS90328-39	0	.578/.558	.458/.438			1.25 x 6		NO CONTROL LEADS
MS90328-40	00	.640/.620	.520/.500			1.25 x 6		NO CONTROL LEADS

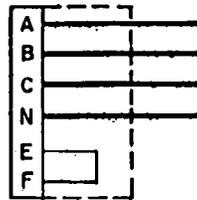


DETAIL A
SEE TABLE II

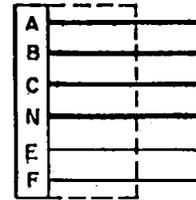
AS90328

REQUIREMENTS:

1. MATERIAL: SEE ACQUISITION SPECIFICATION.
2. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± 0.025 (0.64MM).
3. MOLDED-ON PLUGS, WHEN USED, SHALL MEET ALL THE REQUIREMENTS OF MS25486 EXCEPT THEY SHALL BE MOLDED TO THE CABLES.
4. THE LAST IDENTIFIER OF THE CABLE ASSEMBLY PART NUMBER SHALL BE "A" TO INDICATE AN ATTACHABLE PLUG OR "M" TO INDICATE AN INTEGRALLY MOLDED PLUG.
5. CABLE ASSEMBLIES WHICH ARE ACQUIRED FOR AIR FORCE ORIGINAL APPLICATION, SHALL ONLY BE INTEGRALLY MOLDED CABLE ASSEMBLIES.
6. AIR FORCE USE OF ATTACHABLE PLUGS SHALL BE LIMITED TO REPLACEMENT OF ORIGINAL MOLDED ASSEMBLY PLUGS DAMAGED IN SERVICE.
7. SPLICE CRIMP BARRELS SHALL BE CRIMP TYPE. MOLD OR STAMP WIRE SIZE ON CRIMP BARREL (TABLE II). SPLICE CRIMP BARREL SHALL BE COPPER OR COPPER ALLOY.
8. TERMINAL LUGS CONNECTED TO A, B, C, AND N SOCKETS SHALL BE OF THE SIZE LISTED IN TABLE I AND WIRE CONNECTED TO SOCKETS E AND F SHALL BE #12 AWG.
9. MIL-I-23053 HEAT SHRINK INSULATION TUBING WITH ADHESIVE ON THE I.D. SHALL BE PROVIDED BY SUPPLIER OF SPLICE-ON REPLACEMENT PLUGS. THE TUBING SHALL BE USED TO INSULATE THE CRIMP BARRELS AFTER FIELD INSTALLATION.
10. INSTALLATION INSTRUCTIONS MUST BE INCLUDED WITH EACH SPLICE-ON REPLACEMENT PLUG.
11. MOLDED REPLACEMENT PLUGS MS90328-39 AND -40 WITHOUT CONTROL LEADS SHALL HAVE SOCKETS "E" AND "F" CONNECTED TOGETHER WITHIN THE MOLDED PLUG BY A COPPER JUMPER WITH A CROSS-SECTIONAL AREA OF AT LEAST 6530 CIRCULAR MILS.



**WIRING DIAGRAM
WITH NO CONTROL LEADS**



**WIRING DIAGRAM
WITH CONTROL LEADS**

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