

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-C-7974

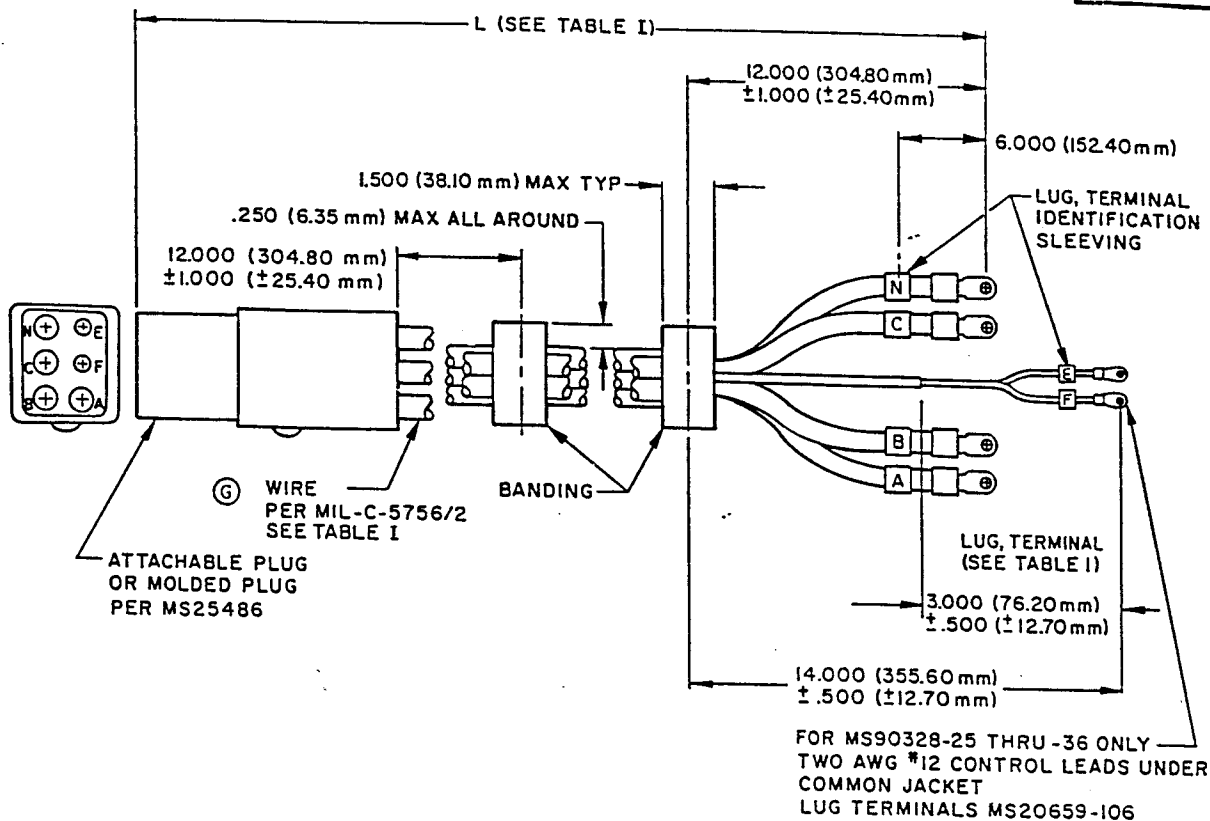


TABLE I. CABLE ASSEMBLY.

PART NO.	A,B,C,N WIRE SIZE	LUG TERMINALS		L FEET ±0.5	L METERS ±0.15	SUPERSEDES	TYPE
		WIRES A,B,C	WIRE N				
MS90328-13 MS90328-14 MS90328-15 MS90328-16 MS90328-17 MS90328-18	0	MS20659-118	MS20659-135	20 30 40 60 80 100	6.10 9.14 12.19 18.29 24.38 30.48	AN3430-3 & MS90328-1 & MS25486-4 AN3430-6 & MS90328-2 & MS25486-5 AN3430-4 & MS90328-3 & MS25486-6 AN3430-8 & MS90328-4 & MS25486-7 MS90328-9 & MS25486-6 MS90328-10 & MS25486-9	NO CONTROL LEADS
MS90328-19 MS90328-20 MS90328-21 MS90328-22 MS90328-23 MS90328-24	00	MS20659-120	MS20659-136	20 30 40 60 80 100	6.10 9.14 12.19 18.29 24.38 30.48	MS90328-5 & MS25486-10 MS90328-6 & MS25486-11 MS90328-7 & MS25486-12 MS90328-8 & MS25486-13 MS90328-11 & MS25486-14 MS90328-12 & MS25486-15	
MS90328-25 MS90328-26 MS90328-27 MS90328-28 MS90328-29 MS90328-30	0	MS20659-118	MS20659-135	20 30 40 60 80 100	6.10 9.14 12.19 18.29 24.38 30.48	AN3430-1A & MS25486-18 AN3430-5 & MS25486-19 AN3430-2A & MS25486-20 AN3430-7 & MS25486-21 MS25486-22 MS25486-23	WITH CONTROL LEADS (G)
MS90328-31 MS90328-32 MS90328-33 MS90328-34 MS90328-35 MS90328-36	00	MS20659-120	MS20659-136	20 30 40 60 80 100	6.10 9.14 12.19 18.29 24.38 30.48	MS25486-24 MS25486-25 MS25486-26 MS25486-27 MS25486-28 MS25486-29	

(G) DENOTES CHANGES

PREPARING ACTIVITY: NAVY-AS  
CUSTODIANS: ARMY- CR NAVY-AS  
AIR FORCE- 85 DLA- GS  
REVIEW: NAVY- SH ARMY- ME AF-85, 99  
USER:  
PROJECT NUMBER: 6150-0216

MILITARY SPECIFICATION SHEET  
TITLE CABLE ASSEMBLY  
EXTERNAL ELECTRIC POWER,  
AIRCRAFT 115/200 VOLT,  
400 HERTZ

SPECIFICATION SHEET NUMBER  
**MS90328** 30 MAY 92  
REV G  
SUPERSEDING  
MS90328 F 17 APR 81  
AMSC- N/A FSC 6150

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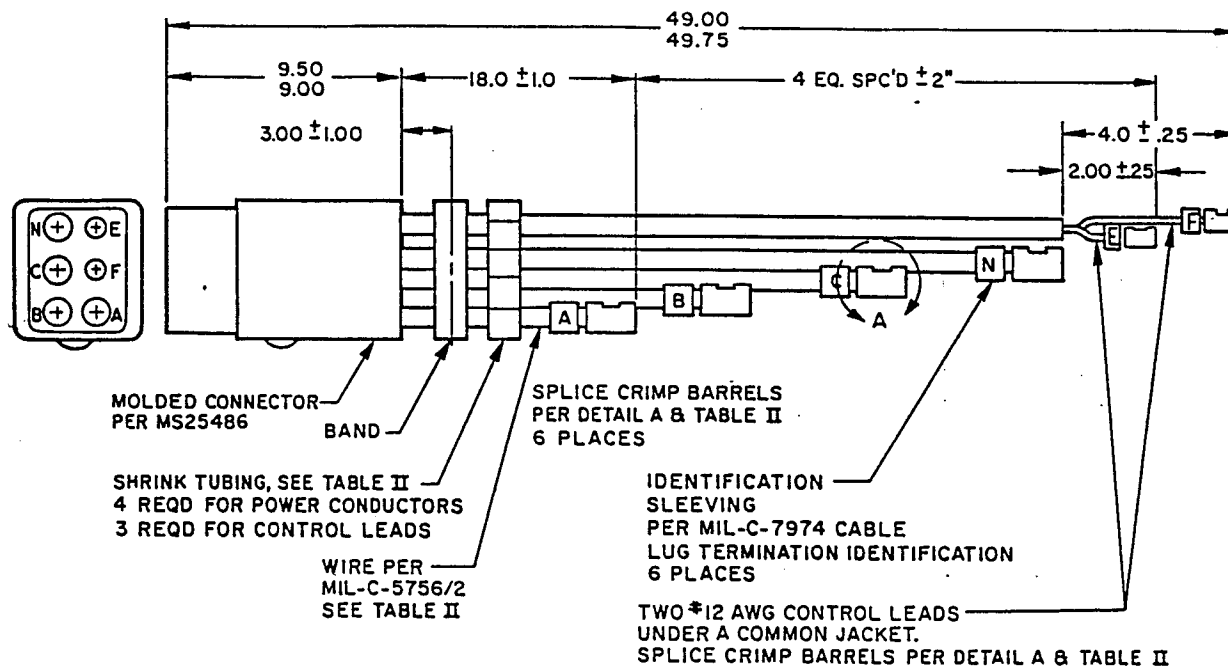
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DD FORM 672 MAY 1988

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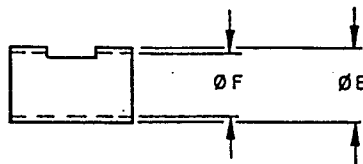
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### SPLICE-ON REPLACEMENT PLUG

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

Ⓒ ALL ITEMS ON THIS SHEET

PREPARING ACTIVITY: NAVY-AS  
CUSTODIANS: ARMY- CR NAVY- AS  
AIR FORCE- 85 DLA- GS  
REVIEW: NAVY-SH ARMY-ME AF-85, 99  
USER:  
PROJECT NUMBER: 6150-0216

MILITARY SPECIFICATION SHEET  
TITLE CABLE ASSEMBLY  
EXTERNAL ELECTRIC POWER,  
AIRCRAFT I15/200 VOLT,  
400 HERTZ

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SUPERSEDING  
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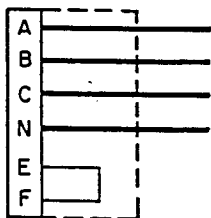
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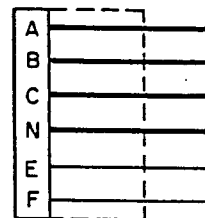
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OMB No. 0704-0183

⑥ REQUIREMENTS:

1. MATERIAL: SEE ACQUISITION SPECIFICATION.
2. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS  $\pm 0.025$  (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.
- ⑥ 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.
- ⑥ 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.
- ⑥ 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.
- ⑥ 10. INSTALLATION INSTRUCTIONS MUST BE INCLUDED WITH EACH SPLICE-ON REPLACEMENT PLUG.
- ⑥ 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



⑥ WIRING DIAGRAM  
WITH CONTROL LEADS

FOR DESIGN FEATURE PURPOSES, THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER ACQUISITION DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

- ⑥ CERTAIN PROVISIONS OF THIS SPECIFICATION SHEET ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASCC AIR STANDARD 12/7, 12/12, STANAG 3303 AND 3457. WHEN AMENDMENT, REVISION, OR CANCELLATION OF THIS SPECIFICATION SHEET IS PROPOSED WHICH WILL AFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.

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