

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

SAE AS18121

RATIONALE

FEDERAL SUPPLY CLASS
5940

AS18121 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MS18121 REV G AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MS18121 REV G. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

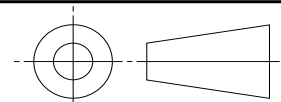
THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS SAE TECHNICAL DOCUMENT.

SAENORM.COM : Click to view the full PDF of as18121

**SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS18121>**

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AEROSPACE COUNCIL

PROCUREMENT SPECIFICATION: MIL-F-21608

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FERRULES, OUTER, INSULATED, SHIELD
TERMINATING, TYPE II TWO-PIECE, CLASS I,
FOR SHIELDED CABLE

SAE AS18121
SHEET 1 OF 3

ISSUED 1999-07 REAFFIRMED 2012-01

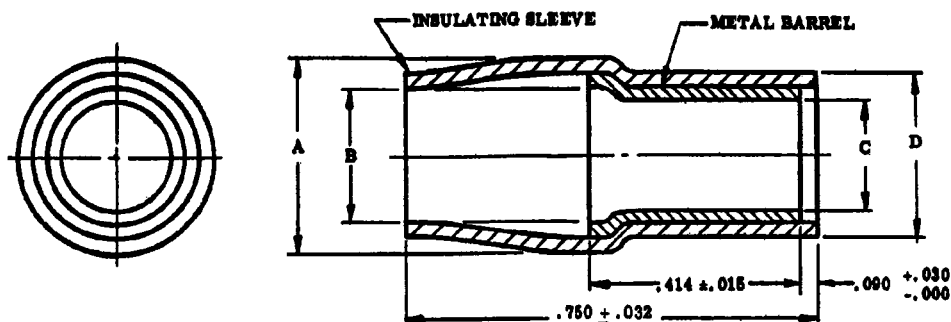
Copyright 2012 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>



DASH NO.	INSULATING SLEEVE COLOR CODE	A ±.025	B ±.015	C ±.005	D ±.025	MIL-C-22520/5 CRIMPING DIE DASH NO. (REF)	DIE CLOSURE
-101	*NO COLOR	.177	.128	.101	.152	-35	B
-128	BLUE	.205	.149	.128	.182	-37	B
-149	PURPLE	.244	.175	.149	.219	-41	B
-156	YELLOW	.260	.184	.156	.233	-43	B
-175	BLUE	.283	.206	.175	.255	-19	B
-187	ORANGE	.299	.218	.187	.270	-45	A
-194	RED	.298	.223	.194	.270	-45	A
-199	*NO COLOR	.305	.229	.199	.275	-45	A
-205	YELLOW	.315	.236	.205	.285	-19	A
-219	GREEN	.320	.247	.219	.293	-19	A
-225	PURPLE	.336	.253	.225	.302	-19	A
-232	ORANGE	.343	.260	.232	.314	-43	A
-251	YELLOW	.377	.292	.251	.347	-41	A
-275	*NO COLOR	.396	.316	.275	.356	-39	A
-281	PURPLE	.414	.322	.281	.374	-35	A
-287	BLUE	.410	.325	.287	.372	-35	A
-297	GREEN	.418	.340	.297	.376	-35	A
-312	YELLOW	.454	.353	.312	.409	-47	
-327	*NO COLOR	.476	.368	.327	.436	-23	
-348	ORANGE	.493	.389	.348	.453	-23	
-359	PURPLE	.492	.397	.359	.454	-23	
-375	YELLOW	.499	.416	.375	.459	-49	
-405	RED	.553	.446	.405	.513	-51	
-415	BLUE	.558	.466	.415	.518	-51	
-460	*NO COLOR	.608	.501	.460	.568	-33	
-500	GREEN	.640	.541	.500	.620	-37	

*NO COLOR ADDED TO INSULATOR.

SUPERSEDED MS25911 ONE-PIECE FERRULE DASH NO.	REPLACED BY TWO-PIECE COMBINATIONS (REF)	
	MS21981 INNER FERRULE DASH NO.	MS18121 OUTER FERRULE DASH NO.
-90	-058	-128, -149, -156
-100	-063	-156, -175
-110	-080	-156, -175, -187
-120	-101	-187, -194, -199
-130	-115	-199, -205, -219
-150	-134	-225, -232, -241
-160	-156	-232, -261, -275
-180	-175, -187	-287, -297
-200	-205, -219	-312, -327, -348

NOTES:

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN INCHES.
2. MS18121 OUTER FERRULES ARE USED WITH MS21981 INNER FERRULES AS AN INSULATED REPLACEMENT.
3. METRIC EQUIVALENTS (TO THE NEAREST .01 mm) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 mm.

REQUIREMENTS:

1. MATERIAL: METAL BARREL-COPPER OR BRASS ALLOY. ROCKWELL F65 MAXIMUM. INSULATING SLEEVE - NYLON IN ACCORDANCE WITH MIL-M-20693. COMPOSITION A, TYPE 1.
2. FINISH: METAL BARREL - TIN PLATE IN ACCORDANCE WITH MIL-T-10727, TYPE 1.
3. COLOR CODE INSULATING SLEEVE OR METAL BARREL IN ACCORDANCE WITH TABLE.
4. REMOVE ALL BURRS AND SHARP EDGES. CHAMFER OR ROUNDED EDGES ACCEPTABLE.
5. MIL-C-22520/5 CRIMPING DIES SHALL BE USED WITH M22520/5-01 BASIC CRIMPING TOOL (MIL-C-22520/5).

FOR DESIGN FEATURE PURPOSES. THIS STANDARD TAKES PRECEDENCE OVER ACQUISITION DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS OR REQUEST FOR PROPOSAL.