

SAE Executive Standards Committee 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.

**REV.
A**

AS83519™/4

FEDERAL SUPPLY CLASS
5970

RATIONALE

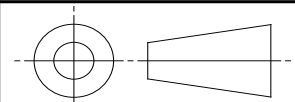
AS83519/4A IS BEING STABILIZED BECAUSE THE PROCESSES/PRODUCT IS CONSIDERED MATURE AND THE COMMITTEE DOES NOT ANTICIPATE FUTURE TECHNICAL CHANGES. STABILIZATION DOES NOT IMPLY THE PROCESS OR PRODUCT IS UNACCEPTABLE FOR APPLICATIONS FOR WHICH IT IS DESIGNED. ANY TECHNICAL CHANGES NOTED BY A SUPPLIER OR USER WHICH RESULTS IN A PRODUCT OR REQUIREMENT CHANGE WILL BE ADDRESSED BY A NEW REVISION. NO QUALIFIED SOURCE IS CURRENTLY AVAILABLE AND USAGE IS ESTIMATED TO BE LOW.

STABILIZED NOTICE

THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY SAE AE-8C2 TERMINATING DEVICES AND TOOLING 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.

For more information on this standard, visit
<https://www.sae.org/standards/content/AS83519/4A/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS83519



AEROSPACE STANDARD

TERMINATION, SOLDER STYLE, INSULATED,
HEAT-SHRINKABLE, ENVIRONMENT RESISTANT WITH
MULTIPLE OPENING SEALANT, 150 °C AND 200 °C

AS83519™/4

**REV.
A**



Documents

Copyright © 2026 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, or used for text and data mining, AI training, or similar technologies, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 1-877-606-7323 (U.S. and Canada only)
Fax: 724-776-0790

Tel: 1-724-776-4970 (outside U.S. and Canada)
Email: CustomerService@sae.org

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

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS83519.

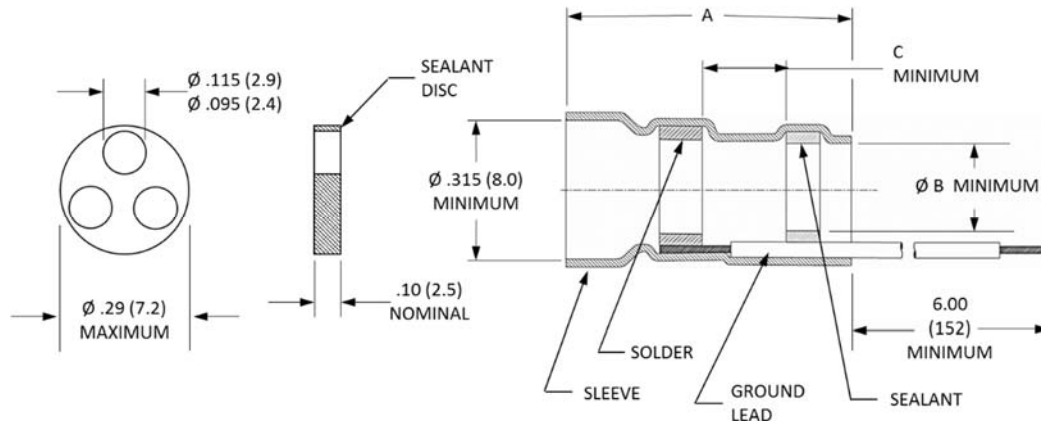


FIGURE 1 - SHIELD TERMINATOR CONSTRUCTION (SEE REQUIREMENTS AND TABLE 1)

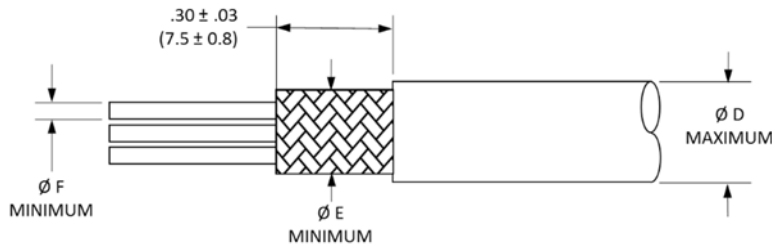


FIGURE 2 - SHIELDED CABLE PREPARATION DETAIL (SEE TABLE 1)

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

1. DIMENSIONS ARE IN INCHES.

METRIC EQUIVALENTS (TO THE NEAREST 0.1 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE $\pm .005$ (0.13 MM) FOR THREE PLACE DECIMALS $\pm .01$ (0.25 MM) FOR TWO PLACE DECIMALS.

2. DIMENSIONAL AND CONSTRUCTION DETAILS: SEE FIGURE 1, FIGURE 2, AND TABLE 1.
 - a. SEALANT DISC SHOWN SHALL BE SUPPLIED AS A SEPARATE COMPONENT WHICH SHALL BE INSTALLED ONTO CABLE CONDUCTORS AS SHOWN IN FIGURE 3.

	AEROSPACE STANDARD	AS83519™/4 SHEET 1 OF 4	REV. A
	TERMINATION, SOLDER STYLE, INSULATED, HEAT-SHRINKABLE, ENVIRONMENT RESISTANT WITH MULTIPLE OPENING SEALANT, 150 °C AND 200 °C		Documents