

REV. B

AS83519™/1

FEDERAL SUPPLY CLASS
5940

RATIONALE

REVISION IS REQUIRED TO CORRECT EDITORIAL ERRORS AND ADDITION OF METRIC REFERENCES.

NOTICE

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

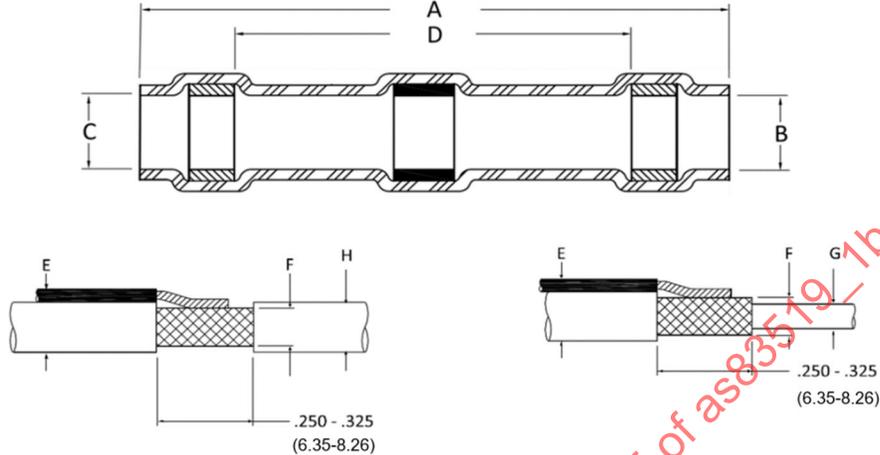


FIGURE 1 - CABLE DIAMETER RANGE AND PREPARATION MEASUREMENTS

TABLE 1 - CONSTRUCTION DETAILS 1/

PART NUMBER	MARKING CODE	A ±.070	B MIN	C MIN	D MIN	E MAX	F MIN	G MIN	H MAX	WEIGHT LB NOMINAL
M83519/1-1	S0101X	.650 (16.51)	.075 (1.91)	.105 (2.67)	.325 (8.26)	.105 (2.67)	.035 (0.89)	.020 (0.51)	.075 (1.91)	.0004 (0.181)
M83519/1-2	S0102X	.650 (16.51)	.105 (2.67)	.145 (3.68)	.325 (8.26)	.145 (3.68)	.055 (1.40)	.030 (0.76)	.105 (2.67)	.0005 (0.227)
M83519/1-3	S0103X	.650 (16.51)	.170 (4.32)	.200 (5.08)	.325 (8.26)	.200 (5.08)	.085 (2.16)	.050 (1.27)	.170 (4.32)	.0008 (0.363)
M83519/1-4	S0104X	.750 (19.05)	.235 (5.97)	.255 (6.48)	.325 (8.26)	.255 (6.48)	.130 (3.30)	.070 (1.78)	.235 (5.97)	.0014 (0.612)
M83519/1-5	S0105X	.750 (19.05)	.275 (6.99)	.300 (7.62)	.325 (8.26)	.300 (7.62)	.170 (4.32)	.100 (2.54)	.275 (6.99)	.0015 (0.680)

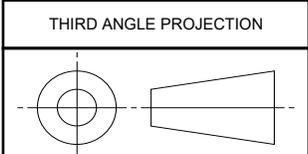
1/ ALL DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS IN MILLIMETERS AND WEIGHTS IN GRAMS IN PARENTHESES ARE FOR REFERENCE ONLY.

QUALIFICATION: FOR QUALIFICATION PERIODIC TESTING, CABLES SHALL BE IN ACCORDANCE WITH TABLE 2. THE TERMINATIONS SHALL BE INSTALLED PER THE "ASSEMBLY TO CABLES" PARAGRAPH IN AS83519 USING THE APPLICABLE CONVECTION AND INFRARED HEAT SOURCES.

MATERIAL: INSULATION SLEEVE: HEAT-SHRINKABLE, TRANSPARENT POLYVINYLIDENE FLUORIDE. SOLDER PREFORM AND FLUX: TYPE SN 63SRMAP PER IPC J-STD-006. THERMAL INDICATOR: COLOR TO COLORLESS.

TEMPERATURE RATING: -55 TO +150 °C.

For more information on this standard, visit
<https://www.sae.org/standards/content/AS83519/1B/>



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS83519



AEROSPACE STANDARD

SHIELD TERMINATION, SOLDER STYLE, INSULATED, HEAT-SHRINKABLE, ENVIRONMENT RESISTANT FOR CABLES HAVING TIN OR SILVER PLATED SHIELDS (CLASS I)

AS83519™/1
SHEET 1 OF 2

REV. B

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.

ISSUED 1998-07 REAFFIRMED 2009-04 REVISED 2023-08