

RATIONALE

THIS DOCUMENT PROVIDES REQUIREMENTS FOR AN ENVIRONMENT RESISTANT SHIELD TERMINATION DEVICE FOR A SINGLE OR MULTIPLE CONDUCTOR CABLE WHERE CABLE END SEALING IS REQUIRED

NOTICE

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

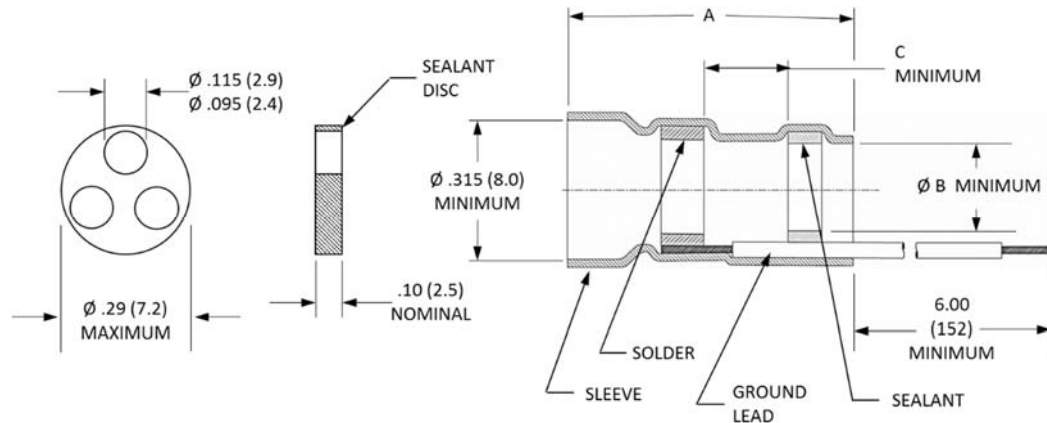


FIGURE 1 - SHIELD TERMINATOR CONSTRUCTION (SEE REQUIREMENTS AND TABLE 1)

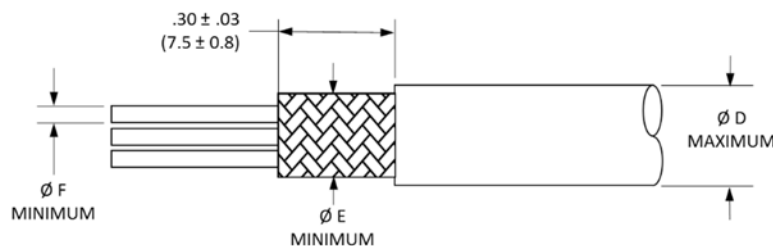


FIGURE 2 - SHIELDED CABLE PREPARATION DETAIL (SEE TABLE 1)

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.

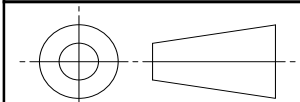
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE $\pm .005$ (0.13 MM) FOR THREE PLACE DECIMALS $\pm .01$ (0.25 MM) FOR TWO PLACE DECIMALS.

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.

SAE values your input. To provide feedback on this Technical Report, please visit
<http://standards.sae.org/AS83519/4>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS83519



AEROSPACE STANDARD

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

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TABLE 1 - CONSTRUCTION DETAILS

PART NO.	WIRE LEAD 5/	MARKING 6/	A ±.07 (±1.8)	B MINIMUM	C MINIMUM	D MAXIMUM	E MINIMUM	F MINIMUM	NOTES
M83519/4-01	M22759/32-20-90	S04-01X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	1/ 3/
M83519/4-02		S04-02X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-03		S04-03X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-04	M22759/32-22-90	S04-04X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	
M83519/4-05		S04-05X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-06		S04-06X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-07	M22759/32-24-90	S04-07X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	
M83519/4-08		S04-08X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-09		S04-09X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-10	M22759/32-26-90	S04-10X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	
M83519/4-11		S04-11X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-12		S04-12X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-13	M22759/32-20-90	S04-13X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	2/ 3/
M83519/4-14		S04-14X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-15		S04-15X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-16	M22759/32-22-90	S04-16X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	
M83519/4-17		S04-17X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-18		S04-18X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-19	M22759/32-24-90	S04-19X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	
M83519/4-20		S04-20X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-21		S04-21X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-22	M22759/32-26-90	S04-22X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	
M83519/4-23		S04-23X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-24		S04-24X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-25	M22759/187-20-90	S04-25X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	1/ 4/
M83519/4-26		S04-26X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-27		S04-27X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-28	M22759/187-22-90	S04-28X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	
M83519/4-29		S04-29X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-30		S04-30X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-31	M22759/187-24-90	S04-31X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	
M83519/4-32		S04-32X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-33		S04-33X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	
M83519/4-34	M22759/187-26-90	S04-34X	.650 (16.5)	.170 (4.3)	.118 (3.0)	.170 (4.3)	.085 (2.2)	.025 (0.6)	
M83519/4-35		S04-35X	.750 (19.1)	.235 (6.0)	.126 (3.2)	.235 (6.0)	.130 (3.3)	.040 (1.0)	
M83519/4-36		S04-36X	.750 (19.1)	.275 (7.0)	.126 (3.2)	.275 (7.0)	.170 (4.3)	.060 (1.5)	



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