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REV.
A

AS83519™/5

FEDERAL SUPPLY CLASS
5940

RATIONALE

CORRECTIONS TO THE DETAILS DIMENSIONS ARE REQUIRED, AND BETTER DEFINITION AND CLARIFICATION ON BRAID CONSTRUCTION ARE NECESSARY.

NOTICE

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

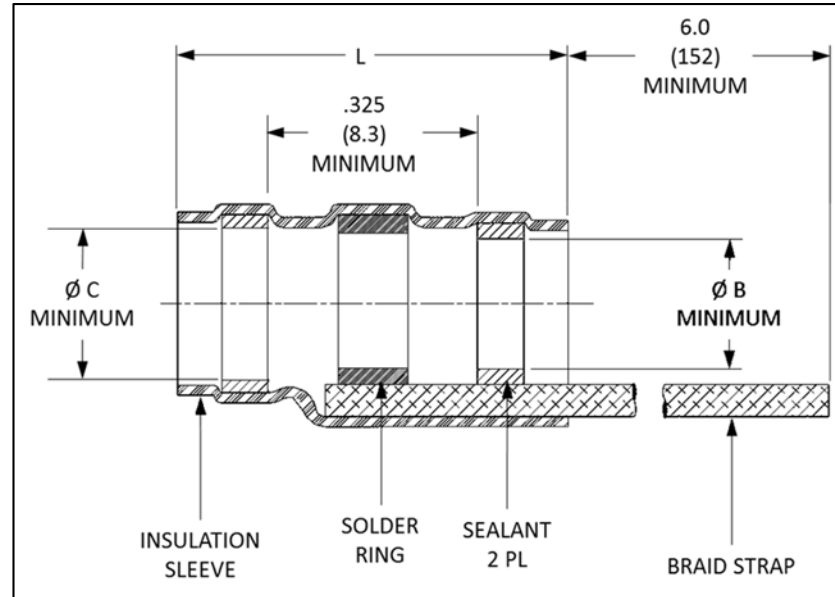


FIGURE 1 - SHIELD TERMINATION SPLICE CONSTRUCTION (SEE TABLE 1)

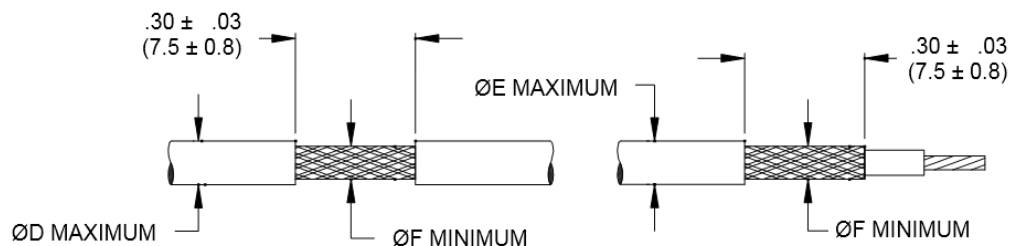
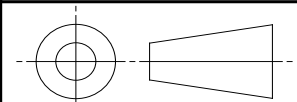


FIGURE 2 - SHIELD TERMINATION PREPARATION DETAIL (SEE TABLE 1)

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS83519



AEROSPACE STANDARD

SHIELD TERMINATION, SOLDER STYLE, INSULATED,
HEAT-SHRINKABLE, ENVIRONMENT RESISTANT WITH
PREINSTALLED BRAID, NI PLATED, CLASS 1, ROHS

AS83519™/5
SHEET 1 OF 4

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TABLE 1 - CONSTRUCTION DETAILS

PART NUMBER	MARKING 1/	BRAID STRAP CMA (REF)	L ±.070 (±1.75)	B DIA 2/	C DIA 2/	D DIA 3/	E DIA 3/	F DIA 2/	TEMP RANGE (°C)	BRAID	SOLDER	FLUX	THERMAL INDICATOR TYPE
M83519/5-01	S0501X	600	.650 (16.50)	.075 (1.90)	.105 (2.67)	.075 (1.90)	.105 (2.67)	.035 (0.90)	-65 to 200	Ni/Cu	Sn96.5Ag3 Cu.5	ROM1	MELTABLE ALLOY
M83519/5-02	S0502X	600	.650 (16.50)	.105 (2.67)	.145 (3.68)	.105 (2.67)	.145 (3.68)	.055 (1.40)					
M83519/5-03	S0503X	600	.650 (16.50)	.170 (4.32)	.200 (5.08)	.170 (4.32)	.200 (5.08)	.085 (2.15)					
M83519/5-04	S0504X	600	.752 (19.10)	.235 (5.97)	.255 (6.48)	.235 (5.97)	.255 (6.48)	.130 (3.30)					
M83519/5-05	S0505X	600	.752 (19.10)	.275 (6.98)	.300 (7.62)	.275 (6.98)	.300 (7.62)	.169 (4.30)					
M83519/5-06	S0506X	640	.650 (16.50)	.075 (1.90)	.105 (2.67)	.075 (1.90)	.105 (2.67)	.035 (0.90)	-55 to 175	Ni/Cu	Sn96.5Ag3 Cu.5	ROM1	THERMO-CHROMIC
M83519/5-07	S0507X	640	.650 (16.50)	.104 (2.65)	.140 (3.55)	.104 (2.65)	.140 (3.55)	.055 (1.40)					
M83519/5-08	S0508X	640	.650 (16.50)	.169 (4.30)	.197 (5.00)	.169 (4.30)	.197 (5.00)	.085 (2.15)					
M83519/5-09	S0509X	640	.776 (19.70)	.234 (5.95)	.254 (6.45)	.234 (5.95)	.254 (6.45)	.130 (3.30)					
M83519/5-10	S0510X	640	.776 (19.70)	.276 (7.00)	.299 (7.60)	.276 (7.00)	.299 (7.60)	.169 (4.30)					
M83519/5-11	S0511X	1200	.650 (16.50)	.075 (1.90)	.105 (2.67)	.075 (1.90)	.105 (2.67)	.035 (0.90)	-65 to 200	Ni/Cu	Sn96.5Ag3 Cu.5	ROM1	MELTABLE ALLOY
M83519/5-12	S0512X	1200	.650 (16.50)	.105 (2.67)	.145 (3.68)	.105 (2.67)	.145 (3.68)	.055 (1.40)					
M83519/5-13	S0513X	1200	.650 (16.50)	.170 (4.32)	.200 (5.08)	.170 (4.32)	.200 (5.08)	.085 (2.15)					
M83519/5-14	S0514X	1200	.752 (19.10)	.235 (5.97)	.255 (6.48)	.235 (5.97)	.255 (6.48)	.130 (3.30)					
M83519/5-15	S0515X	1200	.752 (19.10)	.275 (6.98)	.300 (7.62)	.275 (6.98)	.300 (7.62)	.169 (4.30)					
M83519/5-16	S0516X	1200	.650 (16.50)	.075 (1.90)	.105 (2.67)	.075 (1.90)	.105 (2.67)	.035 (0.90)	-65 to 200	Ni/Cu	Sn96.5Ag3 Cu.5	ROM1	THERMO-CHROMIC
M83519/5-17	S0517X	1200	.650 (16.50)	.105 (2.67)	.145 (3.68)	.105 (2.67)	.145 (3.68)	.055 (1.40)					
M83519/5-18	S0518X	1200	.650 (16.50)	.170 (4.32)	.200 (5.08)	.170 (4.32)	.200 (5.08)	.085 (2.15)					
M83519/5-19	S019X	1200	.752 (19.10)	.235 (5.97)	.255 (6.48)	.235 (5.97)	.255 (6.48)	.130 (3.30)					
M83519/5-20	S0520X	1200	.752 (19.10)	.275 (6.98)	.300 (7.62)	.275 (6.98)	.300 (7.62)	.169 (4.30)					

DIMENSIONS ARE IN INCHES.

METRIC EQUIVALENTS (TO THE NEAREST 0.01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: ±.005 (0.13 MM) FOR THREE PLACE DECIMALS
±.01 (0.25 MM) FOR TWO PLACE DECIMALS

1/ "X", MANUFACTURER INDICATOR, SHALL BE DETERMINED FOR EACH MANUFACTURER AT THE TIME OF THE INITIAL QUALIFICATION.
2/ MINIMUM.
3/ MAXIMUM.

	AEROSPACE STANDARD	AS83519™/5 SHEET 2 OF 4	REV. A 
	SHIELD TERMINATION, SOLDER STYLE, INSULATED, HEAT-SHRINKABLE, ENVIRONMENT RESISTANT WITH PREINSTALLED BRAID, NI PLATED, CLASS 1, ROHS		



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