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**REV.
B**

AS22759™/14

FEDERAL SUPPLY CLASS
6145

RATIONALE

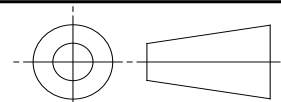
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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8D

PROCUREMENT SPECIFICATION: AS22759



AEROSPACE STANDARD

WIRE, ELECTRIC, FLUOROPOLYMER-INSULATED,
FEP-PVF2, LIGHT WEIGHT, TIN-COATED
COPPER CONDUCTOR, 600 VOLT, ROHS

AS22759™/14

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Documents

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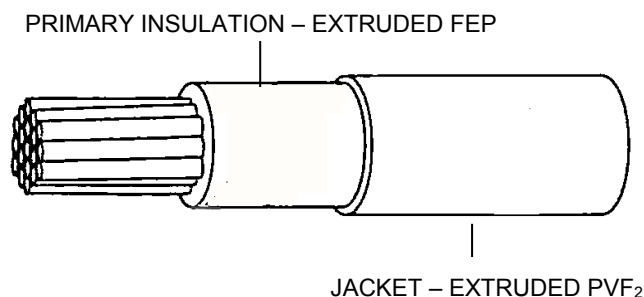
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ISSUED 2000-09 REVISED 2015-12 REAFFIRMED 2020-09 STABILIZED 2021-08

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS22759.



FEP - FLUORINATED ETHYLENE-PROPYLENE
PVF₂ - POLYVINYLIDENE FLUORIDE
CONDUCTOR - STRANDED TIN COATED COPPER

FIGURE 1 - AS22759/14 CONFIGURATION

TABLE 1 - CONSTRUCTION DETAILS FOR FINISHED WIRE

PART NO. 1/	WIRE SIZE	STRANDING (NUMBER OF STRANDS X SIZE GAGE OF STRANDS) 2/	DIAMETER OF STRANDED CONDUCTOR (INCHES)		FINISHED WIRE		
			(MIN)	(MAX)	RESISTANCE AT 20 °C (68 °F) (OHMS/1,000 FEET) (MAX)	DIAMETER (INCHES)	WEIGHT (LB/1,000 FEET) (MAX)
M22759/14-26*	26	19 X 38	.0175	.0204	41.3	.037 ± .002	1.80
M22759/14-24*	24	19 X 36	.0225	.0244	26.2	.042 ± .002	2.47
M22759/14-22*	22	19 X 34	.0285	.0314	16.2	.048 ± .003	3.53
M22759/14-20*	20	19 X 32	.0365	.0394	9.88	.056 ± .003	5.13
M22759/14-18*	18	19 X 30	.0455	.0494	6.23	.066 ± .003	7.64
M22759/14-16*	16	19 X 29	.0515	.0554	4.81	.071 ± .004	9.34
M22759/14-14*	14	19 X 27	.0645	.0694	3.06	.087 ± .004	14.4
M22759/14-12*	12	37 X 28	.0835	.0894	2.02	.107 ± .004	22.3

1/ PART NO.: THE ASTERISKS IN THE PART NUMBER COLUMN, TABLES 1 AND 3, SHALL BE REPLACED BY COLOR CODE DESIGNATORS IN ACCORDANCE WITH MIL-STD-681. EXAMPLES: SIZE 20, WHITE - M22759/14-20-9; WHITE WITH ORANGE STRIPE - M22759/14-20-93. PRINTING OF COLOR CODE DESIGNATOR ON SURFACE OF WIRE INSULATION IS NOT REQUIRED.

2/ CONDUCTOR SHALL CONFORM TO AS29606 TYPE TCC SMALL DIAMETER TIN PLATED COPPER CONDUCTOR.

	AEROSPACE STANDARD	AS22759™/14 SHEET 1 OF 3	REV. B
	WIRE, ELECTRIC, FLUOROPOLYMER-INSULATED, FEP-PVF ₂ , LIGHT WEIGHT, TIN-COATED COPPER CONDUCTOR, 600 VOLT, ROHS		



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