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**REV.
B**

AS22759™/48

FEDERAL SUPPLY CLASS
6145

RATIONALE

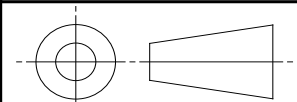
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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8D

PROCUREMENT SPECIFICATION: AS22759



AEROSPACE STANDARD

WIRE, ELECTRICAL, FLUOROPOLYMER-INSULATED
 CROSSLINKED MODIFIED ETFE, LOW FLUORIDE,
 LIGHTWEIGHT, 80 MICROINCH SILVER-COATED COPPER,
 200 °C, 600 VOLT, ROHS

AS22759™/48

**REV.
B**



Documents

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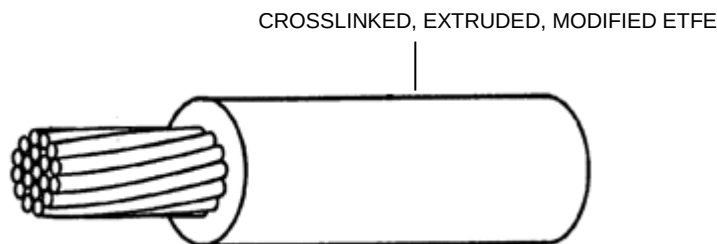
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ISSUED 2011-08 REVISED 2016-04 STABILIZED 2021-09

NOTICE

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



ETFE – ETHYLENE TETRAFLUOROETHYLENE
CONDUCTOR – STRANDED SILVER COATED COPPER

FIGURE 1 - AS22759/48 CONFIGURATION

TABLE 1 - CONSTRUCTION DETAILS FOR FINISHED WIRE

PART NO. <u>1/</u>	WIRE SIZE	STRANDING (NUMBER OF STRANDS X SIZE GAUGE OF STRANDS) <u>2/</u>	DIAMETER OF STRANDED CONDUCTOR (INCHES)		FINISHED WIRE		
			(MIN)	(MAX)	RESISTANCE AT 20 °C (68 °F) (OHMS/1000 FEET) MAX	DIAMETER (INCHES)	WEIGHT (LB/1000 FEET) (MAX)
M22759/48-30-*	30	7 X 38	.0105	.0124	100.7	.024 ± .002	.66
M22759/48-28-*	28	7 X 36	.0135	.0154	63.8	.027 ± .002	.91
M22759/48-26-*	26	19 X 38	.0175	.0194	38.4	.032 ± .002	1.4
M22759/48-24-*	24	19 X 36	.0225	.0244	24.3	.037 ± .002	2.0
M22759/48-22-*	22	19 X 34	.0285	.0304	15.1	.043 ± .002	2.8
M22759/48-20-*	20	19 X 32	.0365	.0384	9.19	.050 ± .002	4.3
M22759/48-18-*	18	19 X 30	.0455	.0484	5.79	.060 ± .002	6.5
M22759/48-16-*	16	19 X 29	.0515	.0544	4.52	.068 ± .002	8.3
M22759/48-14-*	14	19 X 27	.0645	.0684	2.88	.085 ± .003	13.0
M22759/48-12-*	12	37 X 28	.0835	.0874	1.90	.103 ± .003	19.7

- 1/ PART NUMBER: THE ASTERISKS IN THE PART NUMBER COLUMN, TABLES 1 AND 2, SHALL BE REPLACED BY COLOR CODE DESIGNATORS IN ACCORDANCE WITH MIL-STD-681. EXAMPLES: SIZE 20, WHITE-M22759/48-20-9; WHITE WITH ORANGE STRIPE – M22759/48-20-93. PRINTING OF COLOR CODE DESIGNATOR ON SURFACE OF WIRE INSULATION IS NOT REQUIRED.
- 2/ CONDUCTOR SHALL CONFORM TO AS29606, TYPE SCC1 SMALL DIAMETER 80 MICROINCH SILVER PLATED COPPER CONDUCTOR.

	AEROSPACE STANDARD		AS22759™/48 SHEET 1 OF 3	REV. B
	WIRE, ELECTRICAL, FLUOROPOLYMER-INSULATED CROSSLINKED MODIFIED ETFE, LOW FLUORIDE, LIGHTWEIGHT, 80 MICROINCH SILVER-COATED COPPER, 200 °C, 600 VOLT, ROHS			





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