

FEDERAL SUPPLY CLASS
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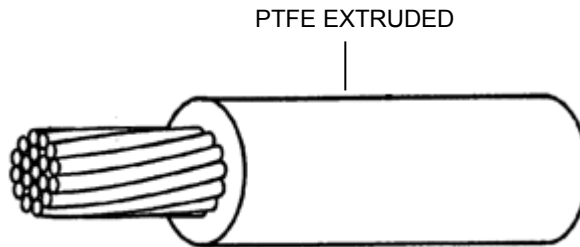
AS22759™/23

RATIONALE

SPECIFICATION UPDATED TO INCLUDE AS29606 CONDUCTOR REQUIREMENTS, ROHS RESTRICTIONS AND AS22759 MODIFICATIONS. REMOVED ACID RESISTANCE.

NOTICE

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



PTFE – POLYTETRAFLUOROETHYLENE
CONDUCTOR – STRANDED NICKEL COATED HIGH STRENGTH COPPER ALLOY

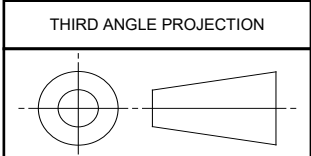
FIGURE 1 - AS22759/23 CONFIGURATION

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)
M22759/23-28-*	28	7 X 36	.0135	.0164	79.0	.033 ± .002	1.34
M22759/23-26-*	26	19 X 38	.0175	.0204	49.4	.038 ± .002	1.92
M22759/23-24-*	24	19 X 36	.0225	.0254	30.1	.043 ± .002	2.63
M22759/23-22-*	22	19 X 34	.0285	.0314	18.6	.049 ± .002	3.73
M22759/23-20-*	20	19 X 32	.0365	.0404	11.4	.058 ± .002	5.44

- 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 - M22759/23-20-9; WHITE WITH ORANGE STRIPE - M22759/23-20-93. PRINTING OF COLOR CODE DESIGNATOR ON SURFACE OF WIRE INSULATION IS NOT REQUIRED.
- 2/ CONDUCTOR SHALL CONFORM TO AS29606 TYPE NCA SMALL DIAMETER NICKEL PLATED HIGH STRENGTH COPPER ALLOY CONDUCTOR

For more information on this standard, visit
<https://www.sae.org/standards/content/AS22759/23A>



CUSTODIAN: AE-8/AE-8D

PROCUREMENT SPECIFICATION: AS22759



AEROSPACE STANDARD

(R) WIRE, ELECTRIC, FLUOROPOLYMER-INSULATED, EXTRUDED TFE, NICKEL-COATED HIGH STRENGTH COPPER ALLOY CONDUCTOR, 600 VOLT, ROHS

AS22759™/23
SHEET 1 OF 3

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ISSUED 2001-07 REVISED 2015-12 REAFFIRMED 2020-09