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**REV.
B**

AS85485™/9

FEDERAL SUPPLY CLASS
6145

RATIONALE

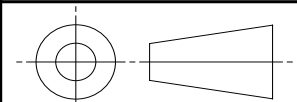
AS85485/9 IS BEING STABILIZED BECAUSE THE COMMITTEE DOES NOT ANTICIPATE FUTURE TECHNICAL CHANGES. FILTERLINE CABLES ARE CONSIDERED WELL-ESTABLISHED PRODUCTS. QUALIFIED SUPPLIERS ARE STILL MAINTAINED. REFERENCE CHANGES NOTED BY THE SUPPLIERS WHICH RESULTS IN A PRODUCT CHANGE WILL BE ADDRESSED BY A NEW REVISION.

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For more information on this standard, visit
<https://www.sae.org/standards/content/AS85485/9B/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8D

PROCUREMENT SPECIFICATION: AS85485



AEROSPACE STANDARD

CABLE, ELECTRIC, FILTER LINE, SMALL DIAMETER
COMPONENT WIRE, TIN-COATED COPPER CONDUCTOR,
RADIO FREQUENCY, ABSORPTIVE, 150 °C, 600-VOLT

AS85485™/9

**REV.
B**



Documents

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ISSUED 2004-06 REVISED 2016-08 STABILIZED 2021-07

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85485.

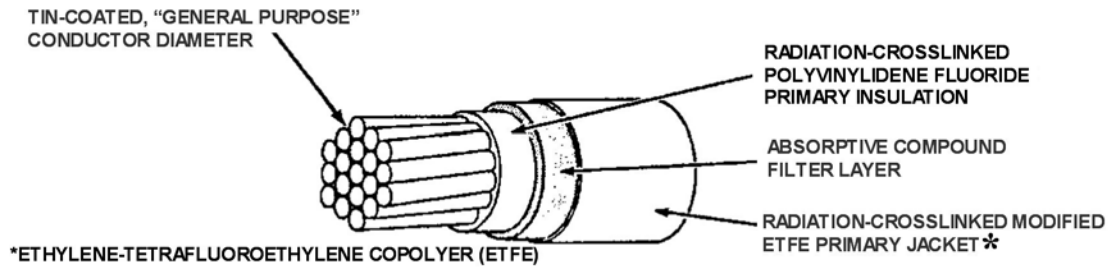


FIGURE 1 - AS85485/9 POLYVINYLIDENE FLUORIDE CONFIGURATION

TABLE 1 - CONSTRUCTION DETAILS

PART NO. M85485/9 1/	WIRE SIZE	STRANDING (NUMBER OF STRANDS X AWG GAUGE OF STRANDS)	DIAMETER OF STRANDED CONDUCTOR (INCHES)		FINISHED WIRE		
			(MIN)	(MAX)	RESISTANCE AT 20 °C (68 °F) (OHMS/1000 FT) (MAX)	DIAMETER (INCHES)	WEIGHT (LB/1000 FT) (MAX)
-22-*	22	19 X 34	.029	.033	16.2	.051 ± .003	4.0
-20-*	20	19 X 32	.037	.041	9.88	.059 ± .003	5.8
-18-*	18	19 X 30	.046	.051	6.23	.070 ± .003	8.7
-16-*	16	19 X 29	.052	.058	4.81	.078 ± .004	11.2
-14-*	14	19 X 27	.065	.073	3.06	.095 ± .004	16.1
-12-*	12	37 X 28	.084	.090	2.02	.112 ± .004	24.0
-10-*	10	37 X 26	.106	.114	1.26	.136 ± .006	37.0

1/ PART NO.: THE ASTERISKS IN THE PART NUMBER COLUMN SHALL BE REPLACED BY COLOR CODE DESIGNATORS IN ACCORDANCE WITH AS85485 (SEE PIN BELOW).

TABLE 2 - PERFORMANCE DETAILS

PART NO. M85485/9 1/	BEND TESTING			
	MANDREL DIAMETER (INCHES) (±3%)		TEST LOAD (LB) (±3%)	
	CROSSLINKING PROOF, IMMERSION AND LIFE CYCLE TESTS	COLD BEND TEST	CROSSLINKING PROOF, IMMERSION AND LIFE CYCLE TESTS	COLD BEND TEST
22-*	.500	2.00	.75	3.00
-20-*	.750	2.50	1.25	4.00
-18-*	1.00	3.00	1.75	4.00
-16-*	1.00	3.00	2.00	5.00
-14-*	1.00	5.00	2.00	5.00
-12-*	1.50	6.00	2.50	5.00
-10-*	1.50	8.00	2.50	5.00

1/ THE ASTERISKS IN THE PART NUMBER COLUMN SHALL BE REPLACED BY COLOR CODE DESIGNATORS IN ACCORDANCE WITH AS85485 (SEE PIN BELOW).

	AEROSPACE STANDARD	AS85485™/9 SHEET 1 OF 4	REV. B
	CABLE, ELECTRIC, FILTER LINE, SMALL DIAMETER COMPONENT WIRE, TIN-COATED COPPER CONDUCTOR, RADIO FREQUENCY, ABSORPTIVE, 150 °C, 600-VOLT		



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