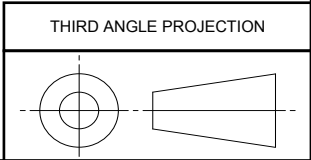


REV. A	RATIONALE THIS DOCUMENT HAS BEEN DETERMINED TO CONTAIN BASIC AND STABLE TECHNOLOGY WHICH IS NOT DYNAMIC IN NATURE.		FEDERAL SUPPLY CLASS 6145
	STABILIZED NOTICE THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY THE AE-8 TECHNICAL COMMITTEE AND WILL NO LONGER BE SUBJECTED TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES AND CONTINUED SUITABILITY OF TECHNICAL REQUIREMENTS. NEWER TECHNOLOGY MAY EXIST.		
SAE AS81822/8	SAENORM.COM : Click to view the full PDF of as81822_8a		
CUSTODIAN: AE-8/AE-8D		PROCUREMENT SPECIFICATION: MIL-W-81822	
SAE Aerospace An SAE International Group	AEROSPACE STANDARD WIRE, ELECTRICAL, SOLDERLESS WRAP, POLYIMIDE JACKET OVER EXTRUDED FLUORINATED ETHYLENE PROPYLENE (FEP) INSULATION, SILVER COATED SOLID CONDUCTOR	SAE AS81822/8 SHEET 1 OF 4	REV. A

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NOTICE

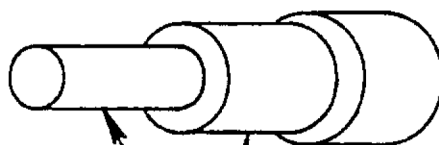
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 An SAE International Group	AEROSPACE STANDARD	SAE AS81822/8 SHEET 2 OF 4	REV. A
	WIRE, ELECTRICAL, SOLDERLESS WRAP, POLYIMIDE JACKET OVER EXTRUDED FLUORINATED ETHYLENE PROPYLENE (FEP) INSULATION, SILVER COATED SOLID CONDUCTOR		



Silver coated solid conductor

Extruded fluorinated ethylene propylene (FEP)

Extruded polyamide, MIL-M-20693, composition A, type III, grade E, 0.003 to 0.006 inch

TABLE I. CONSTRUCTION AND PERFORMANCE DETAILS.

PART NO. 1/	WIRE SIZE (AWG)	FINISHED WIRE DIAMETER (INCHES)	FINISHED WEIGHT (LB/1,000 FT) (MAX)	CUT-THROUGH LOAD (GRAMS)	BEND TESTING			INSULATION PULL-OFF (LBS)
					MANDREL DIAMETER (INS.)		TENSION LOAD (LBS)	
					HEAT RESISTANCE	COLD BEND	COLD BEND	
M81822/8-X30-*	30	0.0300 ± .0020	0.88	900	3/32	1.0	0.25	0.5 TO 2.5
M81822/8-X28-*	28	0.0330 ± .0020	1.07	950	7/64	1.0	0.50	0.5 TO 2.5
M81822/8-X26-*	26	0.0360 ± .0020	1.44	1000	1/8	1.0	0.50	1 TO 4
M81822/8-X24-*	24	0.0420 ± .0020	2.12	1050	9/64	1.0	0.50	1 TO 4
M81822/8-X22-*	22	0.0480 ± .0020	3.08	1100	5/32	1.0	0.75	1 TO 6
M81822/8-X20-*	20	0.0560 ± .0030	4.59	1200	3/16	1.0	0.75	1 TO 6
M81822/8-X18-*	18	0.0650 ± .0030	6.82	1300	7/32	1.0	1.00	1 TO 6

1/ PART NO.: THE "X" IN THE GENERALIZED PART NUMBERS OF TABLE I SHALL BE REPLACED BY THE DESIGNATOR FOR THE CONDUCTOR TYPE AND THE ASTERISK SHALL BE REPLACED BY THE CODE DESIGNATOR FOR THE INSULATION COLOR. EXAMPLE: SIZE 22 WIRE WITH TYPE A (SOFT ANNEALED COPPER) CONDUCTOR AND WHITE INSULATION - M81822/8-A22-9.

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