

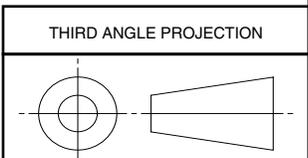
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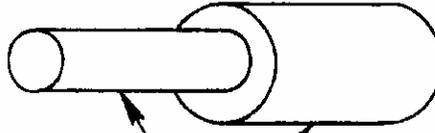
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AS81822/6

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CUSTODIAN: AE-8/AE-8D PROCUREMENT SPECIFICATION: MIL-W-81822

<p>SAE Aerospace An SAE International Group</p>	<p>AEROSPACE STANDARD</p> <p>WIRE, ELECTRICAL, SOLDERLESS WRAP, EXTRUDED POLYTETRAFLUOROETHYLENE (PTFE) INSULATION, SILVER COATED SOLID CONDUCTOR</p>	<p>AS81822/6 SHEET 1 OF 3</p>
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Silver coated solid conductor

Extruded polytetrafluoroethylene (PTFE)

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	
M81822/6-X30-*	30	0.0225 ± .0015	0.67	375	5/64	1.0	0.25	0.15 TO 2.5
M81822/6-X28-*	28	0.0260 ± .0020	0.97	425	7/64	1.0	0.50	0.15 TO 2.5
M81822/6-X26-*	26	0.0310 ± .0020	1.43	750	1/8	1.0	0.50	0.25 TO 4
M81822/6-X24-*	24	0.0420 ± .0020	2.43	750	9/64	1.0	0.50	0.5 TO 4
M81822/6-X22-*	22	0.0480 ± .0020	3.43	750	5/32	1.0	0.75	0.5 TO 6
M81822/6-X20-*	20	0.0560 ± .0020	5.00	750	3/16	1.0	0.75	0.5 TO 6
M81822/6-X18-*	18	0.0650 ± .0030	7.39	850	7/32	1.0	1.00	0.5 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: M81822/6-A22-9.