

## TOOLING GUIDE FOR AS7928 TERMINALS 26 TO 10 AWG (CLASS 1)



**M7928/1 (1-69)**  
 Type: Class 1 Insulated Terminals, Insulation Restricting, Insulation: Nylon, UL 94V-2  
 Terminal Body & Sleeve: Copper, ASTM B-152, Plating: Nickel, QQ-N-290, or Tin, ASTM B-545  
 Max Temp Rating: 105° C  
 Sizes 26 to 10 AWG

Terminal Part Number	AWG	Terminal Specs			DMC MIL Qualified Tool/Die Options			
		Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (9/5)	HX3 (10)	AMT4001 (40-01)
M7928/1-1	#26	0.15	2	.026 - .055 (0.66 - 1.40)	Yellow w/ Black Stripe	Y501	X511	--
			3					
			4					
			5					
			6					
M7928/1-2	#24	0.24	2	.031 - .055 (0.79 - 1.40)	Yellow w/ Blue Stripe	Y501	X511	--
			3					
			4					
			5					
			6					
M7928/1-3	#22	0.38	4	.038 - .110 (0.97 - 2.79)	Red w/ Green Stripe	Y501/Y1115*	X511	AMT4001
			6					
			8					
			10					
			1/4					
			5/16					
			3/8					
			1/2					
			1/2					
			1/2					
M7928/1-4	#20	0.60	6	.046 - .110 (1.17 - 2.79)	Red w/ Red Stripe	Y501/Y1115*	X511	AMT4001
			8					
			10					
			1/4					
			5/16					
			3/8					
			1/2					
			1/2					
			1/2					
			1/2					
M7928/1-5	#18	0.96	6	.056 - .110 (1.42 - 2.79)	Red w/ White Stripe	Y501/Y1115*	X511	AMT4001
			8					
			10					
			1/4					
			5/16					
			3/8					
			1/2					
			1/2					
			1/2					
			1/2					
M7928/1-6	#16	1.42	6	.063 - .130 (1.60 - 3.30)	Blue w/ Blue Stripe	Y501/Y1116*	X511	AMT4001
			8					
			10					
			1/4					
			5/16					
			3/8					
			1/2					
			1/2					
			1/2					
			1/2					
M7928/1-7	#14	2.15	6	.078 - .130 (1.98 - 3.30)	Blue w/ Green Stripe	Y501/Y1116*	X511	AMT4001
			8					
			10					
			1/4					
			5/16					
			3/8					
			1/2					
			1/2					
			1/2					
			1/2					
M7928/1-8	#12	3.37	6	.095 - .200 (2.41 - 5.08)	Yellow w/ Yellow Stripe	Y501/Y1117*	X515	--
			8					
			10					
			1/4					
			5/16					
			3/8					
			1/2					
			1/2					
			1/2					
			1/2					
M7928/1-9	#10	6.11	6	.119 - .200 (3.02 - 5.08)	Yellow w/ Brown Stripe	Y501/Y1117*	X515	--
			8					
			10					
			1/4					
			5/16					
			3/8					
			1/2					
			1/2					
			1/2					
			1/2					

**M7928/4 (101-159)**  
 Type: Class 1 Insulated Terminals, Radiation Resistant, Insulation: Polyvinylidene Fluoride (PVF2)  
 Terminal Body & Sleeve: Copper, ASTM B-152, Plating: Tin, ASTM B-545  
 Max Temp Rating: 150° C  
 Sizes 26 to 10 AWG

Terminal Part Number	AWG	Terminal Specs			DMC MIL Qualified Tool/Die Options			
		Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (9/5)	HX3 (10)	AMT4001 (40-01)
M7928/4-1	#22-18	0.26 - 0.96	6	.140 (3.56)	Clear w/ Red Ring	Y501/Y1115*	X511	AMT4001
			10					
			10					
			5/16					
			3/8					
M7928/4-2	#16-14	1.04 - 2.62	6	.170 (4.32)	Clear w/ Blue Ring	Y501/Y1116*	X511	AMT4001
			10					
			10					
			5/16					
			3/8					
M7928/4-3	#12-10	2.62 - 6.64	6	.230 (5.84)	Clear w/ Yellow Ring	Y501/Y1117*	X515	--
			10					
			10					
			5/16					
			3/8					
M7928/4-4	#26-24	0.10 - 0.26	6	.082 (2.09)	Clear w/ Yellow Ring	Y501	X511	--
			8					
			10					
			1/4					
			1/2					
M7928/4-5	#22-18	0.26 - 0.96	6	.125 (3.18)	Clear w/ Red Ring	Y501/Y1115*	X511	AMT4001
			10					
			10					
			5/16					
			3/8					
M7928/4-6	#16-14	1.04 - 2.62	4	.150 (3.81)	Clear w/ Blue Ring	Y501/Y1116*	X511	AMT4001
			8					
			10					
			1/4					
			1/2					
M7928/4-7	#12-10	2.62 - 6.64	4	.230 (5.84)	Clear w/ Yellow Ring	Y501/Y1117*	X515	--
			8					
			10					
			1/4					
			1/2					
M7928/4-8	#22-18	0.26 - 0.96	2	.230 (5.84)	Red Ring	Y501/Y1115*	X515	AMT4001
			4					
			6					
			8					
			10					

**M7928/7 (1-11)**  
 Type: Class 1 Uninsulated Terminals, Ring Tongue, Insulation: N/A  
 Terminal Body & Sleeve: Copper, ASTM B-152, Plating: Tin, ASTM B-545  
 Max Temp Rating: 175° C  
 Sizes 22 to 14 AWG

Terminal Part Number	AWG	Terminal Specs			DMC MIL Qualified Tool/Die Options			
		Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (9/5)	HX3 (10)	AMT4001 (40-01)
M7928/7-1	#22-18	0.26 - 0.96	2	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1115*	X511	AMT4001
			4					
			6					
			10					
			5/16					
M7928/7-2	#16-14	1.04 - 2.62	4	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1116*	X511	AMT4001
			8					
			10					
			5/16					
			3/8					
M7928/7-3	#12-10	2.62 - 6.64	4	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1117*	X515	--
			8					
			10					
			5/16					
			3/8					
M7928/7-4	#16-14	1.04 - 2.62	4	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1116*	X511	AMT4001
			8					
			10					
			5/16					
			3/8					
M7928/7-5	#12-10	2.62 - 6.64	4	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1117*	X515	--
			8					
			10					
			5/16					
			3/8					

**MS17143 (1-25)**  
 Type: Class 1 Insulated Terminals, Rectangular Tongue, Insulation: Nylon, UL 94V-2  
 Terminal Body & Sleeve: Copper, ASTM B-152, Plating: Tin, ASTM B-545  
 Max Temp Rating: 105° C  
 Sizes 22 to 10 AWG

Terminal Part Number	AWG	Terminal Specs			DMC MIL Qualified Tool/Die Options			
		Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (9/5)	HX3 (10)	AMT4001 (40-01)
MS17143-1	#22-18	0.26 - 0.96	8	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-2	#16-14	1.04 - 2.62	8	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-3	#12-10	2.62 - 6.64	8	.230 (5.84)	Yellow	Y501	X515	--
MS17143-4	#22-18	0.26 - 0.96	6	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-5	#16-14	1.04 - 2.62	6	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-6	#12-10	2.62 - 6.64	6	.230 (5.84)	Yellow	Y501	X515	--
MS17143-7	#22-18	0.26 - 0.96	8	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-8	#16-14	1.04 - 2.62	8	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-9	#12-10	2.62 - 6.64	8	.230 (5.84)	Yellow	Y501	X515	--
MS17143-10	#22-18	0.26 - 0.96	5	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-11	#16-14	1.04 - 2.62	5	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-12	#12-10	2.62 - 6.64	5	.230 (5.84)	Yellow	Y501	X515	--
MS17143-13	#22-18	0.26 - 0.96	6	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-14	#16-14	1.04 - 2.62	6	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-15	#12-10	2.62 - 6.64	6	.230 (5.84)	Yellow	Y501	X515	--
MS17143-16	#22-18	0.26 - 0.96	4	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-17	#16-14	1.04 - 2.62	4	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-18	#12-10	2.62 - 6.64	4	.230 (5.84)	Yellow	Y501	X515	--
MS17143-19	#22-18	0.26 - 0.96	4	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-20	#16-14	1.04 - 2.62	4	.170 (4.32)	Blue	Y501	X511	AMT4001
MS17143-21	#12-10	2.62 - 6.64	4	.230 (5.84)	Yellow	Y501	X515	--
MS17143-22	#22-18	0.26 - 0.96	6	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-23	#22-18	0.26 - 0.96	6	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-24	#22-18	0.26 - 0.96	8	.140 (3.56)	Red	Y501	X511	AMT4001
MS17143-25	#22-18	0.26 - 0.96	10	.140 (3.56)	Red	Y501	X511	AMT4001

**MS20659 (101-106, 125-128, 161-166)**  
 Type: Class 1 Uninsulated Terminals, Ring Tongue, Insulation: None  
 Terminal Body & Sleeve: Copper, ASTM B-152, Plating: Tin, ASTM B-545  
 Max Temp Rating: 175° C  
 Sizes 22 to 10 AWG

Terminal Part Number	AWG	Terminal Specs			DMC MIL Qualified Tool/Die Options			
		Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (9/5)	HX3 (10)	AMT4001 (40-01)
MS20659-1	#22-18	0.26 - 0.96	6	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1115*	X511	AMT4001
			10					
			10					
			5/16					
			3/8					
MS20659-2	#16-14	1.04 - 2.62	6	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1116*	X511	AMT4001
			10					
			10					
			5/16					
			3/8					
MS20659-3	#12-10	2.62 - 6.64	6	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1117*	X515	--
			10					
			10					
			5/16					
			3/8					
MS20659-4	#22-18	0.26 - 0.96	6	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1115*	X511	AMT4001
			10					
			10					
			5/16					
			3/8					
MS20659-5	#16-14	1.04 - 2.62	6	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1116*	X511	AMT4001
			10					
			10					
			5/16					
			3/8					
MS20659-6	#12-10	2.62 - 6.64	6	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1117*	X515	--
			10					
			10					
			5/16					
			3/8					

**MS21004 (1-21)**  
 Type: Class 1 Uninsulated Terminals, Rectangular Tongue, Insulation: None  
 Terminal Body & Sleeve: Copper, ASTM B-152, Plating: Tin, ASTM B-545  
 Max Temp Rating: 175° C  
 Sizes 22 to 10 AWG

Terminal Part Number	AWG	Terminal Specs			DMC MIL Qualified Tool/Die Options			
		Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (9/5)	HX3 (10)	AMT4001 (40-01)
MS21004-1	#22-18	0.26 - 0.96	4	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1115*	X511	AMT4001
			6					
			8					
			10					
			5/16					
MS21004-2	#16-14	1.04 - 2.62	6	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1116*	X511	AMT4001
			8					
			10					
			5/16					
			3/8					
MS21004-3	#12-10	2.62 - 6.64	6	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1117*	X515	--
			8					
			10					
			5/16					
			3/8					
MS21004-4	#16-14	1.04 - 2.62	6	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1116*	X511	AMT4001
			8					
			10					
			5/16					
			3/8					
MS21004-5	#12-10	2.62 - 6.64	6	Uninsulated	GMT277, GMT333*, GMT337*	Y501/Y1117*	X515	--
			8					
			10					
			5/16					
			3/8					

**MS25036 (101-114, 143-159)**  
 Type: Class 1 Insulated Terminals, Insulation: Nylon, UL 94V-2  
 Terminal Body & Sleeve: Copper, ASTM B-152, Plating: Tin, ASTM B-545  
 Max Temp Rating: 105° C  
 Sizes 26 to 10 AWG

Terminal Part Number	AWG	Terminal Specs			DMC MIL Qualified Tool/Die Options			
		Wire Size mm	Stud Size	Insulation Diameter in. (mm)	Sleeve Color	HX4 (9/5)	HX3 (10)	AMT4001 (40-01)
MS25036-1	#22-18	0.26 - 0.96	6	.140 (3.56)	Red	Y501/Y1115*	X511	AMT4001
			10					
			10					
			5/16					
			3/8					
MS25036-2	#16-14	1.04 - 2.62	6	.170 (4.32)	Blue</			