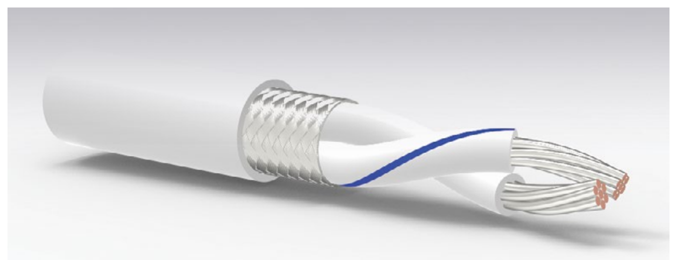
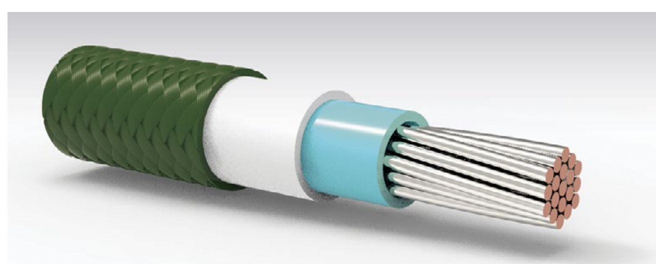
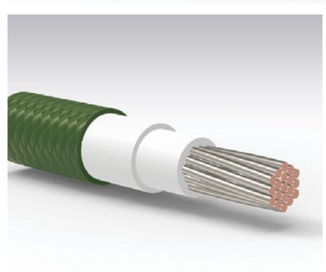
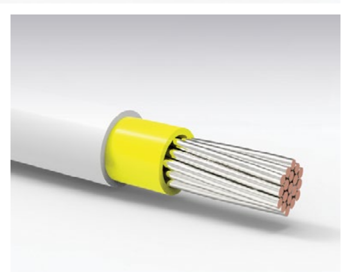
MIL-SPEC WIRE AND CABLE

Solutions for Defense Applications Qualified to SAE and NEMA Standards and Approved by NAVAIR

Mil-Spec Wire and Cable

WIRE

CABLE

FEATURES AND BENEFITS

- Extremely reliable choice for aircraft manufacturers for over 50 years
- Tough and dependable crosslinked extruded material
- Abrasion resistant and withstands mechanical damage
- Small size, lightweight, and resistant to most chemicals and fluids
- Easy to cut, strip and mark
- Suitable for high temperature and harsh environment applications

MARKETS

- Military Aerospace
- Military and Defense

TE Connectivity's (TE) military-qualified, high performance primary wires and cables, offered in both single-wall and dual-wall constructions, provide small size, light weight, and outstanding chemical resistance. TE's Raychem material science and irradiation crosslinking technology is the foundation that supports a range of wire and cable products with the right balance of properties to help meet the challenges of harsh environments. SAE AS81044 and SAE AS22759 hook up wires and associated NEMA WC27500 cables provide excellent abrasion and cut-through resistance and flexibility, with an extended temperature range from -65°C to +200°C.

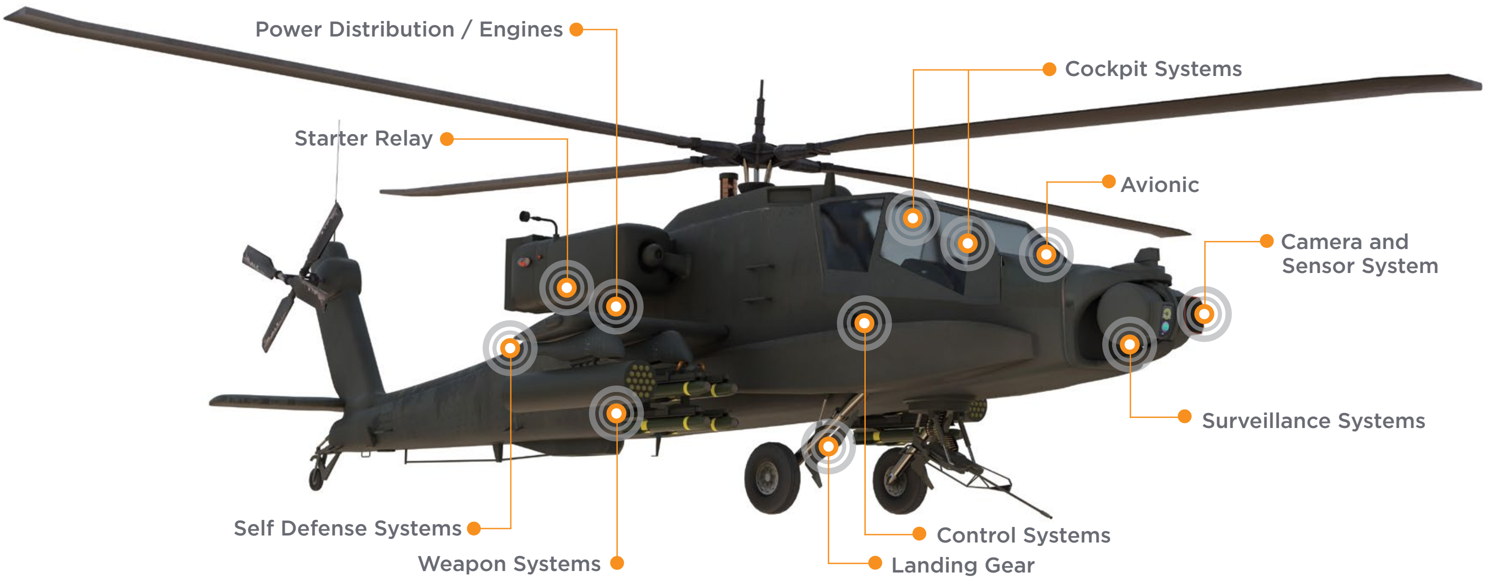
TE puts a premium on innovation when helping solve tough design problems. Talking to us early in your design cycle gives you the full benefit of our expertise. We can help you to:

- Shorten the design cycle and reduce costs
- Increase reliability
- Design for manufacturability
- Meet the demanding requirements for lighter, faster, more capable systems

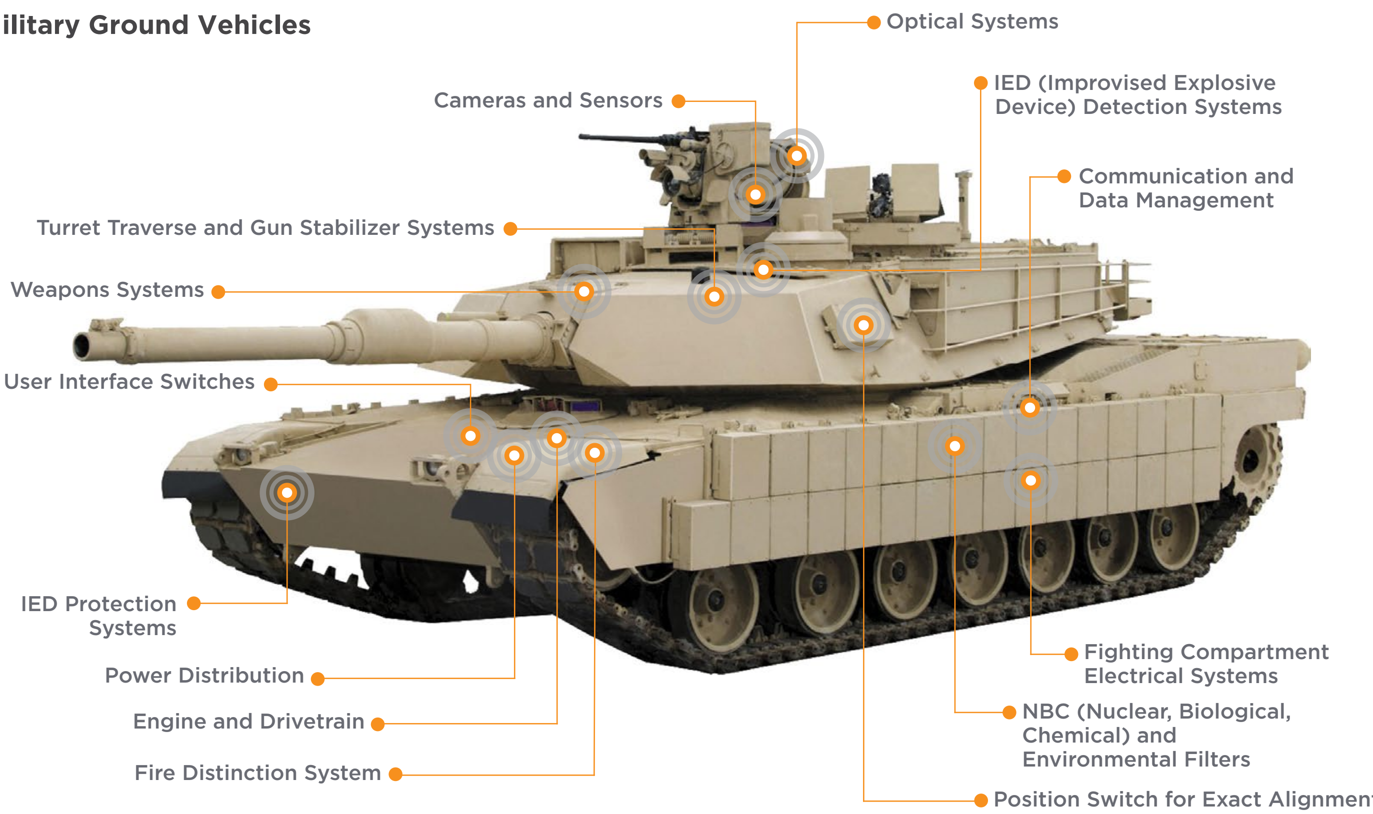
*ETFE - ethylene tetrafluoroethylene

Defense and Military Applications

Military Aircraft



Military Ground Vehicles



Products

Wire Overview

SAE AS81044	Radiation-Crosslinked Polyalkene with PVDF Jacket				
Slash Sheet	**Insulation**	**AWG Range**	**Conductor Type**	**Temp Rating**	**M27500 Code**
/5	Dual Wall, Normal Weight, Airframe	24-0	Silver Coated Copper	-65°C to +150°C	MD
/6	Dual Wall, Normal Weight, Airframe	24-0	Tin Coated Copper	-65°C to +150°C	ME
/7	Dual Wall, Normal Weight, Airframe	26-20	Silver Coated High Strength Copper Alloy	-65°C to +150°C	MF
/8	Dual Wall, Medium Weight	24-0	Silver Coated Copper	-65°C to +150°C	MG
/9	Dual Wall, Medium Weight	24-0	Tin Coated Copper	-65°C to +150°C	MH
/10	Dual Wall, Medium Weight	26-20	Silver Coated High Strength Copper Alloy	-65°C to +150°C	MJ
/11	Dual Wall, Lightweight, General Purpose	26-12	Silver Coated Copper	-65°C to +150°C	MK
/12	Dual Wall, Lightweight, General Purpose	26-12	Tin Coated Copper	-65°C to +150°C	ML
/13	Dual Wall, Lightweight, General Purpose	26-20	Silver Coated High Strength Copper Alloy	-65°C to +150°C	MM

SAE AS22759	Modified ETFE				
Slash Sheet	**Insulation**	**AWG Range**	**Conductor Type**	**Temp Rating**	**M27500 Code**
/16	Single Wall, Medium Weight	24-00	Tin Coated Copper	-65°C to +150°C	TE
/17	Single Wall, Medium Weight	26-20	Silver Coated High Strength Copper Alloy	-65°C to +150°C	TF
/18	Single Wall, Lightweight	26-10	Tin Coated Copper	-65°C to +150°C	TG
/19	Single Wall, Lightweight	26-20	Silver Coated High Strength Copper Alloy	-65°C to +150°C	TH

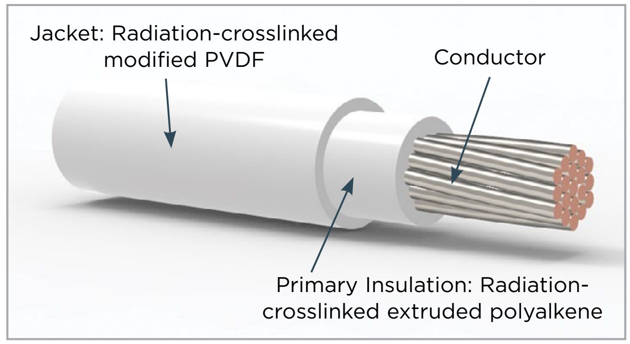
SAE AS22759	Modified Crosslinked ETFE				
Slash Sheet	**Insulation**	**AWG Range**	**Conductor Type**	**Temp Rating**	**M27500 Code**
/32	Single Wall, Lightweight	30-12	Tin Coated Copper	-65°C to +150°C	SB
/33	Single Wall, Lightweight	30-20	Silver Coated High Strength Copper Alloy	-65°C to +200°C	SC
/34	Dual Wall, Normal Weight, Airframe	24-00	Tin Coated Copper	-65°C to +150°C	SD
/35	Dual Wall, Normal Weight, Airframe	26-20	Silver Coated High Strength Copper Alloy	-65°C to +200°C	SE
/41	Dual Wall, Normal Weight, Airframe	26-00	Nickel Coated Copper	-65°C to +200°C	SM
/42	Dual Wall, Normal Weight, Airframe	26-20	Nickel Coated High Strength Copper Alloy	-65°C to +200°C	SN
/43	Dual Wall, Normal Weight, Airframe	26-00	Silver Coated	-65°C to +200°C	SP
/44	Single Wall, Lightweight	28-12	Silver Coated	-65°C to +200°C	SR
/45	Single Wall, Lightweight	28-12	Nickel Coated	-65°C to +200°C	SS
/46	Single Wall, Lightweight	28-20	Nickel Coated High Strength Copper Alloy	-65°C to +200°C	ST

SAE AS22759	Ultra Low Fluoride Modified Crosslinked ETFE				
Slash Sheet	**Insulation**	**AWG Range**	**Conductor Type**	**Temp Rating**	**M27500 Code**
/51	Single Wall, Lightweight	30-20	Silver Coated High Strength Copper Alloy	-65°C to +200°C	UA
/52	Single Wall, Lightweight	30-12	Silver Coated	-65°C to +200°C	UB
/53	Dual Wall, Normal Weight	30-20	Silver Coated High Strength Copper Alloy	-65°C to +200°C	UC
/54	Dual Wall, Normal Weight	30-12	Silver Coated	-65°C to +200°C	UD

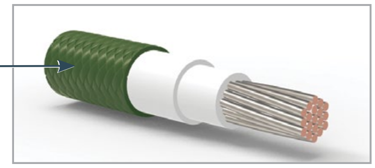
SAE AS81044/5, /6 and /7

Radiation-Crosslinked, Polyalkene Insulated, Normal Weight Airframe Wire

- **Insulation:** Polyalkene (primary), PVDF (jacket)
- **Construction:** Dual-wall construction
- **Voltage Rating:** 600 V



Aromatic polyamide braid (AWG sizes for /6 construction 2-0 only)



Part Numbering System

M81044	/	6	-	24	-	9
SAE Base No.		Slash Sheet		Size (AWG)		Color Code*

Color Codes

0 Black	**4** Yellow	**7** Violet
1 Brown	**5** Green	**8** Grey
2 Red	**6** Blue	**9** White
3 Orange		

Table 1: AS81044 | 150°C | Silver Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M81044/5-24-*	24	19 x 36	.023	.025	24.3	.057 ± .002	3.0
M81044/5-22-*	22	19 x 34	.029	.032	15.1	.069 ± .003	4.3
M81044/5-20-*	20	19 x 32	.037	.040	9.19	.078 ± .003	6.1
M81044/5-18-*	18	19 x 30	.046	.050	5.79	.088 ± .003	8.7
M81044/5-16-*	16	19 x 29	.052	.057	4.52	.097 ± .004	10.9
M81044/5-14-*	14	19 x 27	.065	.072	2.88	.115 ± .004	16.2
M81044/5-12-*	12	37 x 28	.084	.089	1.90	.131 ± .004	24.2
M81044/5-10-*	10	37 x 26	.106	.112	1.19	.161 ± .005	36.5
M81044/5-8-*	8	133 x 29	.158	.169	.658	.219 ± .006	65.0
M81044/5-6-*	6	133 x 27	.198	.213	.418	.269 ± .007	103
M81044/5-4-*	4	133 x 25	.250	.268	.264	.325 ± .008	158
M81044/5-2-*	2	665 x 30	.320	.340	.170	.404 ± .012	252
M81044/5-0-*	0	1045 x 30	.405	.425	.108	.494 ± .016	380

*See color code chart above table

SAE AS81044/5, /6 and /7

Table 2: AS81044 | 150°C | Tin Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M81044/6-24-*	24	19 x 36	.023	.026	26.2	.057 ± .002	3.0
M81044/6-22-*	22	19 x 34	.029	.033	16.2	.069 ± .003	4.3
M81044/6-20-*	20	19 x 32	.037	.041	9.88	.078 ± .003	6.1
M81044/6-18-*	18	19 x 30	.046	.051	6.23	.088 ± .003	8.7
M81044/6-16-*	16	19 x 29	.052	.058	4.81	.097 ± .004	10.9
M81044/6-14-*	14	19 x 27	.065	.073	3.06	.115 ± .004	16.2
M81044/6-12-*	12	37 x 28	.084	.090	2.02	.131 ± .004	24.2
M81044/6-10-*	10	37 x 26	.106	.114	1.26	.161 ± .005	36.5
M81044/6-8-*	8	133 x 29	.158	.173	.701	.219 ± .006	65.0
M81044/6-6-*	6	133 x 27	.198	.217	.445	.269 ± .007	103
M81044/6-4-*	4	133 x 25	.250	.274	.280	.325 ± .008	158
M81044/6-2-*	2	665 x 30	.320	.340	.183	.418 ± .013	252
M81044/6-1-*	1	817 x 30	.360	.380	.149	.460 ± .015	305
M81044/6-0-*	0	1045 x 30	.405	.425	.116	.508 ± .017	380

Table 3: AS81044 | 150°C | Silver Coated High Strength Copper Alloy

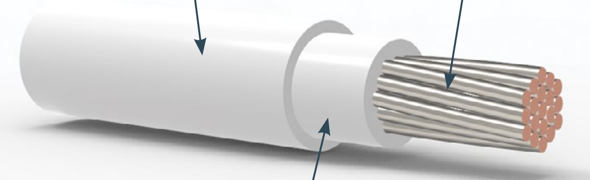
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M81044/7-26-*	26	19 x 38	.018	.020	44.8	.053 ± .002	2.2
M81044/7-24-*	24	19 x 36	.023	.025	28.4	.057 ± .002	3.0
M81044/7-22-*	22	19 x 34	.029	.032	17.5	.069 ± .003	4.3
M81044/7-20-*	20	19 x 32	.037	.040	10.7	.078 ± .003	6.1

*See color code chart above table on page 6

SAE AS81044/8, /9 and /10

Radiation-Crosslinked, Polyalkene Insulated, Medium Weight Wire

- **Insulation:** Polyalkene (primary), PVDF (jacket)
- **Construction:** Dual-wall construction
- **Voltage Rating:** 600 V



Part Numbering System

M81044	/	9	-	24	-	9
SAE Base No.		Slash Sheet		Size (AWG)		Color Code*

Color Codes

0 Black	**4** Yellow	**7** Violet
1 Brown	**5** Green	**8** Grey
2 Red	**6** Blue	**9** White
3 Orange		

Table 1: AS81044 | 150°C | Silver Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M81044/8-24-*	24	19 x 36	.023	.025	24.3	.054 ± .002	2.7
M81044/8-22-*	22	19 x 34	.029	.032	15.1	.062 ± .003	3.9
M81044/8-20-*	20	19 x 32	.037	.040	9.19	.070 ± .003	5.5
M81044/8-18-*	18	19 x 30	.046	.050	5.79	.080 ± .003	8.0
M81044/8-16-*	16	19 x 29	.052	.057	4.52	.089 ± .004	10.1
M81044/8-14-*	14	19 x 27	.065	.072	2.88	1.08 ± .004	15.5
M81044/8-12-*	12	37 x 28	.084	.089	1.90	.126 ± .004	23.0
M81044/8-10-*	10	37 x 26	.106	.112	1.19	.155 ± .005	35.7
M81044/8-8-*	8	133 x 29	.158	.169	.658	.214 ± .006	62.8
M81044/8-6-*	6	133 x 27	.198	.213	.418	.264 ± .007	99.3
M81044/8-4-*	4	133 x 25	.250	.268	.264	.320 ± .008	153
M81044/8-2-*	2	665 x 30	.320	.340	.170	.400 ± .012	247
M81044/8-0-*	0	1045 x 30	.405	.425	.108	.490 ± .016	377

*See color code chart above table

SAE AS81044/8, /9 and /10

Table 2: AS81044 | 150°C | Tin Coated Copper							
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M81044/9-24-*	24	19 x 36	.023	.026	26.2	.054 ± .002	2.6
M81044/9-22-*	22	19 x 34	.029	.033	16.2	.062 ± .003	3.8
M81044/9-20-*	20	19 x 32	.037	.041	9.88	.070 ± .003	5.4
M81044/9-18-*	18	19 x 30	.046	.051	6.23	.080 ± .003	8.0
M81044/9-16-*	16	19 x 29	.052	.058	4.81	.089 ± .004	9.9
M81044/9-14-*	14	19 x 27	.065	.073	3.06	1.08 ± .004	14.9
M81044/9-12-*	12	37 x 28	.084	.090	2.02	.126 ± .004	21.9
M81044/9-10-*	10	37 x 26	.106	.114	1.26	.155 ± .005	35.0
M81044/9-8-*	8	133 x 29	.158	.173	.701	.214 ± .006	62.8
M81044/9-6-*	6	133 x 27	.198	.217	.445	.264 ± .007	99.3
M81044/9-4-*	4	133 x 25	.250	.274	.280	.320 ± .008	153
M81044/9-2-*	2	665 x 30	.320	.340	.183	.400 ± .012	247
M81044/9-0-*	0	1045 x 30	.405	.425	.116	.490 ± .016	377

Note: Other sizes available. Contact TE.

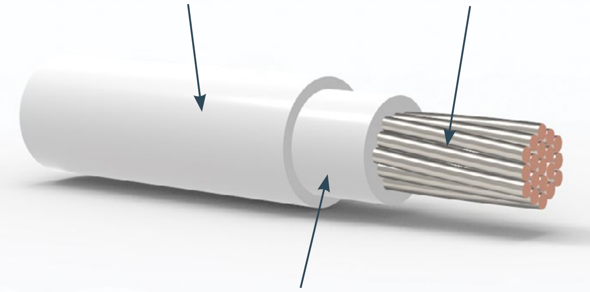
Table 3: AS81044 | 150°C | Silver Coated High Strength Copper Alloy							
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M81044/10-26-*	26	19 x 38	.018	.020	44.8	.048 ± .002	1.9
M81044/10-24-*	24	19 x 36	.023	.025	28.4	.054 ± .002	2.7
M81044/10-22-*	22	19 x 34	.029	.032	17.5	.062 ± .003	3.9
M81044/10-20-*	20	19 x 32	.037	.040	10.7	.070 ± .003	5.5

*See color code chart above table on page 8

SAE AS81044/11, /12 and /13

Radiation-Crosslinked, Lightweight General Purpose Wire

- **Insulation:** Polyalkene (primary), PVDF (jacket)
- **Construction:** Dual-wall construction
- **Voltage Rating:** 600 V



Part Numbering System

M81044	/	12	-	24	-	9
SAE Base No.		Slash Sheet		Size (AWG)		Color Code*

Color Codes

- **0** Black
- **1** Brown
- **2** Red
- **3** Orange
- **4** Yellow
- **5** Green
- **6** Blue
- **7** Violet
- **8** Grey
- **9** White

Table 1: ASM81044 | 150°C | Silver Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M81044/11-26-*	26	19 x 38	.018	.020	38.4	.034 ± .002	1.4
M81044/11-24-*	24	19 x 36	.023	.025	24.3	.040 ± .002	2.1
M81044/11-22-*	22	19 x 34	.029	.032	15.1	.047 ± .002	3.1
M81044/11-20-*	20	19 x 32	.037	.040	9.19	.055 ± .002	4.6
M81044/11-18-*	18	19 x 30	.046	.050	5.79	.065 ± .002	7.0
M81044/11-16-*	16	19 x 29	.052	.057	4.52	.072 ± .003	8.9
M81044/11-14-*	14	19 x 27	.065	.072	2.88	.089 ± .004	13.9
M81044/11-12-*	12	37 x 28	.084	.089	1.90	.108 ± .004	21.7

*See color code chart above table

SAE AS81044/11, /12 and /13

Table 2: AS81044 | 150°C | Tin Coated Copper							
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M81044/12-26-*	26	19 x 38	.018	.021	41.3	.034 ± .002	1.4
M81044/12-24-*	24	19 x 36	.023	.026	26.2	.040 ± .002	2.0
M81044/12-22-*	22	19 x 34	.029	.033	16.2	.047 ± .002	3.0
M81044/12-20-*	20	19 x 32	.037	.041	9.88	.055 ± .002	4.5
M81044/12-18-*	18	19 x 30	.046	.051	6.23	.065 ± .002	6.8
M81044/12-16-*	16	19 x 29	.052	.058	4.81	.072 ± .003	8.6
M81044/12-14-*	14	19 x 27	.065	.073	3.06	.089 ± .004	13.2
M81044/12-12-*	12	37 x 28	.084	.090	2.02	.108 ± .004	20.2

Note: Other sizes available. Contact TE.

Table 3: AS81044 | 150°C | Silver Coated High Strength Copper Alloy							
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M81044/13-26-*	26	19 x 38	.018	.020	44.8	.034 ± .002	1.4
M81044/13-24-*	24	19 x 36	.023	.025	28.4	.040 ± .002	2.1
M81044/13-22-*	22	19 x 34	.029	.032	17.5	.047 ± .002	3.1
M81044/13-20-*	20	19 x 32	.037	.040	10.7	.055 ± .002	4.6

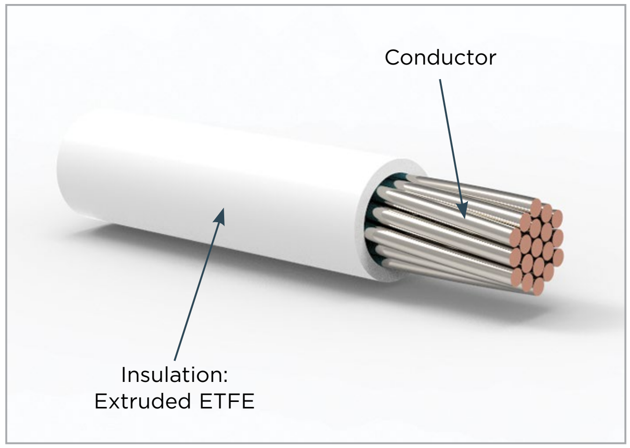
Note: Other sizes available. Contact TE.

*See color code chart above table on page 10

SAE AS22759/16 and /17 Modified ETFE

Modified ETFE, Medium Weight Wire

- **Insulation:** ETFE
- **Construction:** Single-wall construction
- **Voltage Rating:** 600 V



Part Numbering System

M22759	/	16	-	24	-	9
SAE Base No.		Slash Sheet		Size (AWG)		Color Code*

Color Codes

- **0** Black
- **1** Brown
- **2** Red
- **3** Orange
- **4** Yellow
- **5** Green
- **6** Blue
- **7** Violet
- **8** Grey
- **9** White

Table 1: AS22759 | 150°C | Tin Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/16-24-*	24	19 x 36	.0225	.0244	26.2	.045 ± .002	2.57
M22759/16-22-*	22	19 x 34	.0285	.0314	16.2	.052 ± .002	3.68
M22759/16-20-*	20	19 x 32	.0365	.0394	9.88	.060 ± .002	5.36
M22759/16-18-*	18	19 x 30	.0455	.0494	6.23	.071 ± .002	7.89
M22759/16-16-*	16	19 x 29	.0515	.0554	4.81	.079 ± .002	9.95
M22759/16-14-*	14	19 x 27	.0645	.0694	3.06	.093 ± .002	14.9
M22759/16-12-*	12	37 x 28	.0835	.0894	2.02	.114 ± .003	22.6
M22759/16-10-*	10	37 x 26	.106	.112	1.26	.139 ± .003	35.1
M22759/16-8-*	8	133 x 29	.158	.169	.701	.199 ± .003	66.7
M22759/16-6-*	6	133 x 27	.198	.212	.445	.250 ± .003	104
M22759/16-4-*	4	133 x 25	.250	.268	.280	.312 ± .004	164
M22759/16-2-*	2	665 x 30	.320	.340	.183	.388 ± .004	256
M22759/16-1-*	1	817 x 30	.360	.380	.149	.431 ± .005	329
M22759/16-0-*	0	1045 x 30	.395	.425	.116	.479 ± .006	410
M22759/16-00-*	00	1330 x 30	.440	.475	.091	.546 ± .007	527

*See color code chart above table

SAE AS22759/16 and /17 Modified ETFE

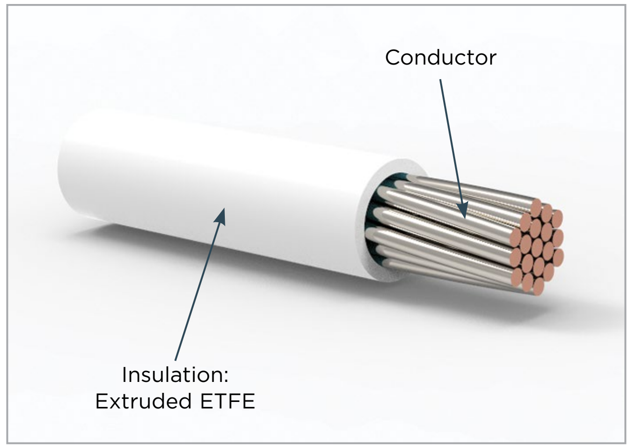
Table 2: AS22759 | 150°C | Silver Coated High Strength Copper Alloy							
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/17-26-*	26	19 x 38	.0175	.0204	44.8	.040 ± .002	1.76
M22759/17-24-*	24	19 x 36	.0225	.0244	28.4	.045 ± .002	2.43
M22759/17-22-*	22	19 x 34	.0285	.0314	17.5	.052 ± .002	3.50
M22759/17-20-*	20	19 x 32	.0365	.0395	10.7	.060 ± .002	5.14

*See color code chart above table on page 12

SAE AS22759/18 and /19 Modified ETFE

Modified ETFE, Lightweight Wire

- **Insulation:** ETFE
- **Construction:** Single-wall construction
- **Voltage Rating:** 600 V



Part Numbering System

M22759	/	18	-	24	-	9
SAE Base No.		Slash Sheet		Size (AWG)		Color Code*

Color Codes

- **0** Black
- **1** Brown
- **2** Red
- **3** Orange
- **4** Yellow
- **5** Green
- **6** Blue
- **7** Violet
- **8** Grey
- **9** White

Table 1: AS22759 | 150°C | Tin Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/18-26-*	26	19 x 38	.0175	.0204	41.3	.032 ± .002	1.52
M22759/18-24-*	24	19 x 36	.0225	.0244	26.2	.036 ± .002	2.12
M22759/18-22-*	22	19 x 34	.0285	.0314	16.2	.043 ± .002	3.16
M22759/18-20-*	20	19 x 32	.0365	.0394	9.88	.051 ± .002	4.76
M22759/18-18-*	18	19 x 30	.0455	.0494	6.23	.061 ± .002	7.10
M22759/18-16-*	16	19 x 29	.0515	.0554	4.81	.070 ± .002	9.14
M22759/18-14-*	14	19 x 27	.0645	.0694	3.06	.085 ± .002	14.1
M22759/18-12-*	12	37 x 28	.0835	.0894	2.02	.107 ± .003	21.6
M22759/18-10-*	10	37 x 26	.106	.112	1.26	.134 ± .003	34.1

Table 2: AS22759 | 150°C | Silver Coated High Strength Copper Alloy

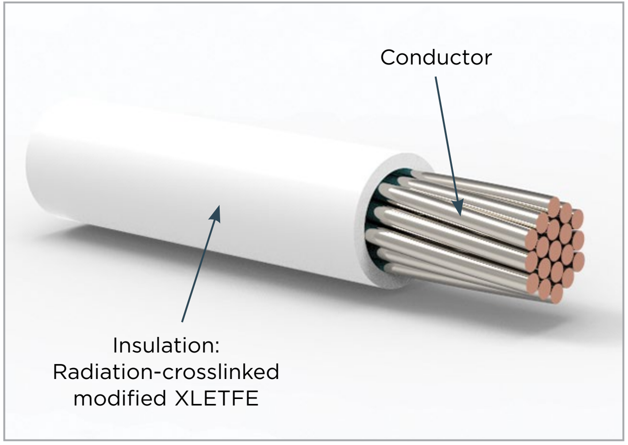
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/19-26-*	26	19 x 38	.0175	.0204	44.8	.032 ± .002	1.41
M22759/19-24-*	24	19 x 36	.0225	.0244	28.4	.036 ± .002	1.99
M22759/19-22-*	22	19 x 34	.0285	.0314	17.5	.043 ± .002	2.98
M22759/19-20-*	20	19 x 32	.0365	.0395	10.7	.051 ± .002	4.59

*See color code chart above table

SAE AS22759/32, /33, /44, /45 and /46 Modified Crosslinked ETFE

Radiation-Crosslinked, Lightweight Wire

- **Insulation:** ETFE
- **Construction:** Single-wall construction
- **Voltage Rating:** 600 V



Part Numbering System

M22759	/	32	-	24	-	9
SAE Base No.		Slash Sheet		Size (AWG)		Color Code*

Color Codes

0 Black	**4** Yellow	**7** Violet
1 Brown	**5** Green	**8** Grey
2 Red	**6** Blue	**9** White
3 Orange		

Table 1: AS22759 | 150°C | Tin Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/32-30-*	30	7 x 38	.011	.013	108.4	.024 ± .002	.66
M22759/32-28-*	28	7 x 36	.014	.016	68.6	.027 ± .002	.91
M22759/32-26-*	26	19 x 38	.018	.020	41.3	.032 ± .002	1.4
M22759/32-24-*	24	19 x 36	.023	.025	26.2	.037 ± .002	2.0
M22759/32-22-*	22	19 x 34	.029	.031	16.2	.043 ± .002	2.8
M22759/32-20-*	20	19 x 32	.037	.039	9.88	.050 ± .002	4.3
M22759/32-18-*	18	19 x 30	.046	.049	6.23	.060 ± .002	6.5
M22759/32-16-*	16	19 x 29	.052	.055	4.81	.068 ± .002	8.3
M22759/32-14-*	14	19 x 27	.065	.069	3.06	.085 ± .003	13.0
M22759/32-12-*	12	37 x 28	.084	.089	2.02	.103 ± .003	19.7

Note: Other sizes available. Contact TE.

*See color code chart above table

SAE AS22759/32, /33, /44, /45 and /46 Modified Crosslinked ETFE

Table 2: AS22759 | 200°C | Silver Coated High Strength Copper Alloy							
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/33-30-*	30	7 x 38	.011	.012	117.4	.024 ± .002	.66
M22759/33-28-*	28	7 x 36	.014	.016	74.4	.027 ± .002	.91
M22759/33-26-*	26	19 x 38	.018	.020	44.8	.032 ± .002	1.4
M22759/33-24-*	24	19 x 36	.023	.025	28.4	.037 ± .002	2.0
M22759/33-22-*	22	19 x 34	.029	.031	17.5	.043 ± .002	2.9
M22759/33-20-*	20	19 x 32	.037	.039	10.7	.050 ± .002	4.4

Note: Other sizes available. Contact TE.

Table 3: AS22759 | 200°C | Silver Coated Copper							
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/44-30-*	30	7 x 38	.011	.012	100.7	.024 ± .002	.66
M22759/44-28-*	28	7 x 36	.014	.015	63.8	.027 ± .002	.91
M22759/44-26-*	26	19 x 38	.018	.019	38.4	.032 ± .002	1.4
M22759/44-24-*	24	19 x 36	.023	.025	24.3	.037 ± .002	2.0
M22759/44-22-*	22	19 x 34	.029	.030	15.1	.043 ± .002	2.8
M22759/44-20-*	20	19 x 32	.037	.039	9.19	.050 ± .002	4.3
M22759/44-18-*	18	19 x 30	.046	.048	5.79	.060 ± .002	6.5
M22759/44-16-*	16	19 x 29	.052	.054	4.52	.068 ± .002	8.3
M22759/44-14-*	14	19 x 27	.065	.058	2.88	.085 ± .003	13.0
M22759/44-12-*	12	37 x 28	.084	.087	1.90	.103 ± .003	19.7

Note: Other sizes available. Contact TE.

*See color code chart above table on page 15

SAE AS22759/32, /33, /44, /45 and /46 Modified Crosslinked ETFE

Table 4: AS22759 | 200°C | Nickel Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/45-28-*	28	7 x 36	.014	.016	67.9	.027 ± .002	.91
M22759/45-26-*	26	19 x 38	.018	.020	42.2	.032 ± .002	1.4
M22759/45-24-*	24	19 x 36	.023	.025	25.9	.037 ± .002	2.0
M22759/45-22-*	22	19 x 34	.029	.031	16.0	.043 ± .002	2.6
M22759/45-20-*	20	19 x 32	.037	.039	9.77	.050 ± .002	4.3
M22759/45-18-*	18	19 x 30	.046	.049	6.10	.060 ± .002	6.5
M22759/45-16-*	16	19 x 29	.052	.055	4.76	.068 ± .002	8.3
M22759/45-14-*	14	19 x 27	.065	.069	3.00	.085 ± .003	13.0
M22759/45-12-*	12	37 x 28	.084	.089	1.98	.103 ± .003	19.7

Note: Other sizes available. Contact TE.

Table 5: AS22759 | 200°C | Nickel Coated High Strength Copper Alloy

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/46-28-*	28	7 x 36	.014	.016	79.0	.027 ± .002	.91
M22759/46-26-*	26	19 x 38	.018	.020	49.4	.032 ± .002	1.4
M22759/46-24-*	24	19 x 36	.023	.025	30.1	.037 ± .002	2.0
M22759/46-22-*	22	19 x 34	.029	.031	18.6	.043 ± .002	2.9
M22759/46-20-*	20	19 x 32	.037	.039	11.4	.050 ± .002	4.4

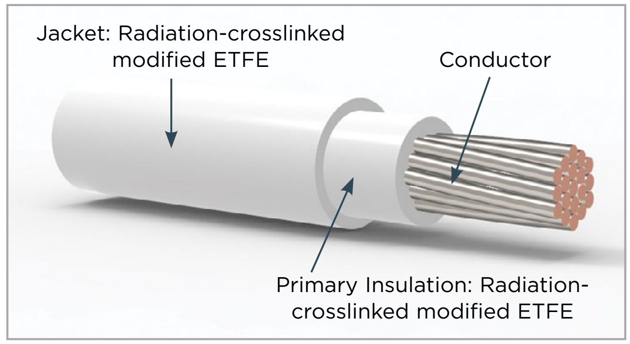
Note: Other sizes available. Contact TE.

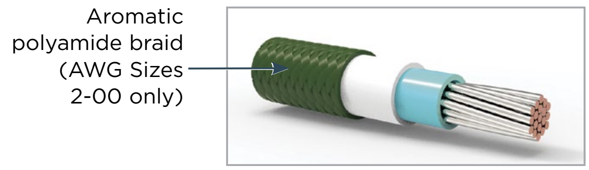
*See color code chart above table on page 15

SAE AS22759/34, /35, /41, /42 and /43 Modified Crosslinked ETFE

Radiation-Crosslinked, Normal Weight, Airframe Wire

- **Insulation:** ETFE (primary), ETFE (jacket)
- **Construction:** Dual-wall construction
- **Voltage Rating:** 600 V





Part Numbering System

M22759	/	34	-	24	-	9
SAE Base No.		Slash Sheet		Size (AWG)		Color Code*

Color Codes

0 Black	**4** Yellow	**7** Violet
1 Brown	**5** Green	**8** Grey
2 Red	**6** Blue	**9** White
3 Orange		

Table 1: AS22759 | 150°C | Tin Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/34-28-*	28	7 x 36	.014	.016	68.6	.035 ± .002	1.30
M22759/34-26-*	26	19 x 38	.018	.020	41.3	.040 ± .002	1.70
M22759/34-24-*	24	19 x 36	.023	.024	26.2	.045 ± .002	2.30
M22759/34-22-*	22	19 x 34	.029	.031	16.2	.050 ± .002	3.20
M22759/34-20-*	20	19 x 32	.037	.039	9.88	.058 ± .002	4.70
M22759/34-18-*	18	19 x 30	.046	.049	6.23	.070 ± .003	7.20
M22759/34-16-*	16	19 x 29	.052	.055	4.81	.077 ± .003	9.00
M22759/34-14-*	14	19 x 27	.065	.069	3.06	.094 ± .003	13.8
M22759/34-12-*	12	37 x 28	.084	.089	2.02	.111 ± .003	20.5
M22759/34-10-*	10	37 x 26	.106	.114	1.26	.134 ± .004	32.4
M22759/34-8-*	8	133 x 29	.158	.173	.701	.195 ± .008	60.3
M22759/34-6-*	6	133 x 27	.198	.217	.445	.241 ± .010	94.5
M22759/34-4-*	4	133 x 25	.250	.274	.280	.310 ± .010	150
M22759/34-2-*	2	665 x 30	.320	.340	.183	.405 ± .016	239
M22759/34-1-*	1	817 x 30	.360	.380	.149	.445 ± .016	290
M22759/34-0-*	0	1045 x 30	.395	.425	.116	.485 ± .016	377
M22759/34-00-*	00	1330 x 30	.440	.475	.091	.545 ± .016	487

Note: Other sizes available. Contact TE.

*See color code chart above table

SAE AS22759/34, /35, /41, /42 and /43 Modified Crosslinked ETFE

Table 2: AS22759 | 200°C | Silver Coated High Strength Copper Alloy							
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/35-26-*	26	19 x 38	.018	.020	44.8	.040 ± .002	1.70
M22759/35-24-*	24	19 x 36	.023	.024	28.4	.045 ± .002	2.30
M22759/35-22-*	22	19 x 34	.029	.031	17.5	.050 ± .002	3.30
M22759/35-20-*	20	19 x 32	.037	.039	10.7	.058 ± .002	4.80
M22759/35-18-*	18	19 x 30	.046	.050	6.8	.070 ± .003	7.50

Table 3: AS22759 | 200°C | Nickel Coated Copper							
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/41-26-*	26	19 x 38	.018	.020	42.2	.040 ± .002	1.70
M22759/41-24-*	24	19 x 36	.023	.024	25.9	.045 ± .002	2.30
M22759/41-22-*	22	19 x 34	.029	.031	16.0	.050 ± .002	3.20
M22759/41-20-*	20	19 x 32	.037	.039	9.77	.058 ± .002	4.70
M22759/41-18-*	18	19 x 30	.046	.049	6.10	.070 ± .003	7.20
M22759/41-16-*	16	19 x 29	.052	.055	4.76	.077 ± .003	9.00
M22759/41-14-*	14	19 x 27	.065	.069	3.00	.094 ± .003	13.8
M22759/41-12-*	12	37 x 28	.084	.089	1.98	.111 ± .003	20.5
M22759/41-10-*	10	37 x 26	.106	.113	1.24	.134 ± .004	32.4
M22759/41-8-*	8	133 x 29	.158	.173	.694	.195 ± .008	64.2
M22759/41-6-*	6	133 x 27	.198	.217	.436	.241 ± .010	96.8
M22759/41-4-*	4	133 x 25	.250	.274	.275	.310 ± .010	163
M22759/41-2-*	2	665 x 30	.320	.340	.177	.405 ± .016	246
M22759/41-1-*	1	817 x 30	.360	.380	.144	.445 ± .016	314
M22759/41-0-*	0	1045 x 30	.395	.425	.113	.485 ± .016	421
M22759/41-00-*	00	1330 x 30	.440	.475	.089	.545 ± .016	518

Note: Other sizes available. Contact TE.

*See color code chart above table on page 18

SAE AS22759/34, /35, /41, /42 and /43 Modified Crosslinked ETFE

Table 4: AS22759 | 200°C | Nickel Coated High Strength Copper Alloy

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/42-26-*	26	19 x 38	.018	.020	49.4	.040 ± .002	1.70
M22759/42-24-*	24	19 x 36	.023	.025	30.1	.045 ± .002	2.30
M22759/42-22-*	22	19 x 34	.029	.031	18.6	.050 ± .002	3.30
M22759/42-20-*	20	19 x 32	.037	.040	11.4	.058 ± .002	4.80

Note: Other sizes available. Contact TE.

Table 5: AS22759 | 200°C | Silver Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/43-26-*	26	19 x 38	.018	.019	38.4	.040 ± .002	1.70
M22759/43-24-*	24	19 x 36	.023	.024	24.3	.045 ± .002	2.30
M22759/43-22-*	22	19 x 34	.029	.030	15.1	.050 ± .002	3.20
M22759/43-20-*	20	19 x 32	.037	.038	9.19	.058 ± .002	4.70
M22759/43-18-*	18	19 x 30	.046	.048	5.79	.070 ± .003	7.20
M22759/43-16-*	16	19 x 29	.052	.054	4.52	.077 ± .003	9.00
M22759/43-14-*	14	19 x 27	.065	.068	2.88	.094 ± .003	13.8
M22759/43-12-*	12	37 x 28	.084	.087	1.90	.111 ± .003	20.5
M22759/43-10-*	10	37 x 26	.106	.112	1.19	.134 ± .004	32.4
M22759/43-8-*	8	133 x 29	.158	.169	.658	.195 ± .008	61.9
M22759/43-6-*	6	133 x 27	.198	.213	.418	.241 ± .010	94.5
M22759/43-4-*	4	133 x 25	.250	.268	.264	.310 ± .010	158
M22759/43-2-*	2	665 x 30	.320	.340	.170	.408 ± .012	249
M22759/43-1-*	1	817 x 30	.360	.380	.139	.470 ± .012	329
M22759/43-0-*	0	1045 x 30	.395	.425	.108	.510 ± .016	404
M22759/43-00-*	00	1330 x 30	.440	.475	.085	.570 ± .016	500

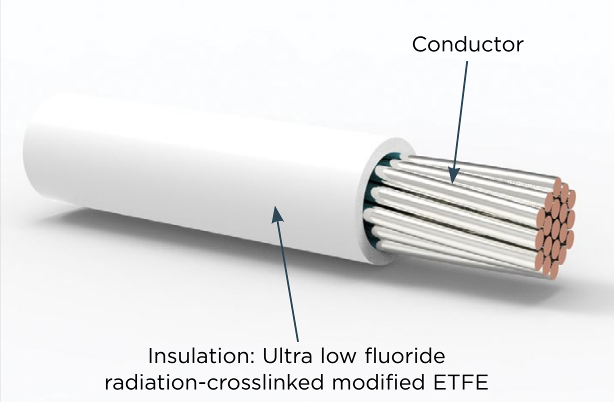
Note: Other sizes available. Contact TE.

*See color code chart above table on page 18

SAE AS22759/51 and /52 Ultra Low Fluoride, Modified Crosslinked ETFE

Radiation-Crosslinked, Lightweight Wire

- **Insulation:** Low outgassing, ultra low fluoride, ETFE
- **Voltage Rating:** 600 V



Part Numbering System

M22759	/	52	-	24	-	9
NEMA Base No.		Slash Sheet		Size (AWG)		Color Code*

Color Codes

- **0** Black
- **1** Brown
- **2** Red
- **3** Orange
- **4** Yellow
- **5** Green
- **6** Blue
- **7** Violet
- **8** Grey
- **9** White

Table 1: AS22759 | 200°C | Silver Coated High Strength Copper Alloy

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/51-30-*	30	7 x 38	.011	.012	117.4	.024 ± .002	.66
M22759/51-28-*	28	7 x 36	.014	.015	74.4	.027 ± .002	.91
M22759/51-26-*	26	19 x 38	.018	.020	44.8	.032 ± .002	1.4
M22759/51-24-*	24	19 x 36	.023	.024	28.4	.037 ± .002	2.0
M22759/51-22-*	22	19 x 34	.029	.031	17.5	.043 ± .002	2.9
M22759/51-20-*	20	19 x 32	.037	.039	10.7	.050 ± .002	4.4

Note: Other sizes available. Contact TE.

*See color code chart above table

SAE AS22759/51 and /52 Ultra Low Fluoride, Modified Crosslinked ETFE

Table 2: AS22759 | 200°C | Silver Coated Copper

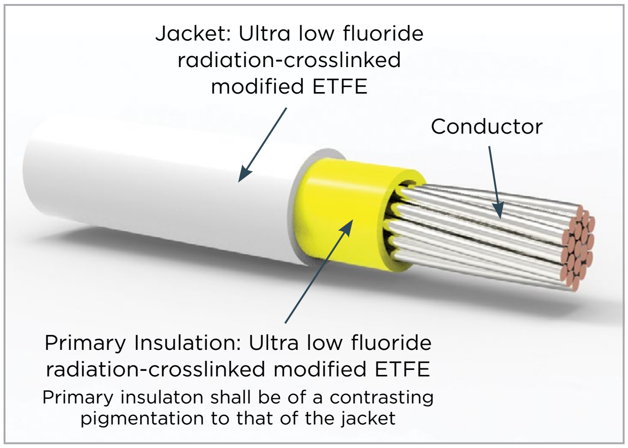
Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/52-30-*	30	7 x 38	.011	.012	100.7	.024 ± .002	.66
M22759/52-28-*	28	7 x 36	.014	.015	63.8	.027 ± .002	.91
M22759/52-26-*	26	19 x 38	.018	.019	38.4	.032 ± .002	1.4
M22759/52-24-*	24	19 x 36	.023	.025	24.3	.037 ± .002	2.0
M22759/52-22-*	22	19 x 34	.029	.030	15.1	.043 ± .002	2.8
M22759/52-20-*	20	19 x 32	.037	.039	9.19	.050 ± .002	4.3
M22759/52-18-*	18	19 x 30	.046	.048	5.79	.060 ± .002	6.5
M22759/52-16-*	16	19 x 29	.052	.054	4.52	.068 ± .002	8.3
M22759/52-14-*	14	19 x 27	.065	.068	2.88	.085 ± .003	13.0
M22759/52-12-*	12	37 x 28	.084	.087	1.90	.103 ± .003	19.7

*See color code chart above table on page 21

SAE AS22759/53 and /54 Ultra Low Fluoride, Modified Crosslinked ETFE

Radiation-Crosslinked, Silver-Coated Copper, Normal Weight Wire

- **Insulation:** ETFE
- **Construction:** Dual-wall construction
- **Voltage Rating:** 600 V



Part Numbering System

M22759	/	54	-	24	-	9
SAE Base No.		Slash Sheet		Size (AWG)		Color Code*

Color Codes

0 Black	**4** Yellow	**7** Violet
1 Brown	**5** Green	**8** Grey
2 Red	**6** Blue	**9** White
3 Orange		

Table 1: AS22759 | 200°C | Silver Coated High Strength Copper Alloy

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/53-26-*	26	19 x 38	.018	.020	44.8	.040 ± .002	1.7
M22759/53-24-*	24	19 x 36	.023	.024	28.4	.045 ± .002	2.3
M22759/53-22-*	22	19 x 34	.029	.031	17.5	.050 ± .002	3.3
M22759/53-20-*	20	19 x 32	.037	.039	10.7	.058 ± .002	4.8

Table 2: AS22759 | 200°C | Silver Coated Copper

Mil-Spec	Wire Size (AWG)	Conductor Stranding (Number x AWG)	Diameter of Stranded Conductor (in.)		Finished Wire		
			Minimum	Maximum	Maximum Resistance at 20°C (ohms/1000 ft.)	Diameter (inch)	Maximum Weight (lbs/1000 ft.)
M22759/54-26-*	26	19 x 38	.018	.019	38.4	.040 ± .002	1.7
M22759/54-24-*	24	19 x 36	.023	.024	24.3	.045 ± .002	2.3
M22759/54-22-*	22	19 x 34	.029	.030	15.1	.050 ± .002	3.3
M22759/54-20-*	20	19 x 32	.037	.038	9.19	.058 ± .002	4.7
M22759/54-18-*	18	19 x 30	.046	.048	5.79	.070 ± .003	7.2
M22759/54-16-*	16	19 x 29	.052	.054	4.52	.077 ± .003	9.0
M22759/54-14-*	14	19 x 27	.065	.068	2.88	.094 ± .003	13.8
M22759/54-12-*	12	37 x 28	.084	.087	1.90	.111 ± .003	20.5

Note: Other sizes available. Contact TE.

*See color code chart above table

Cable Overview

Part Numbering System

Example: M27500-22ML2U08

M27500	—	22	ML	2	U	08
Identification Number	ID Method of Component Wires (and Shield Coverage)	AWG	Component Wire Specification	Number of Component Wires (1-15)	Shield Style	Jacket Style

ID Method of Component Wires (and Shield Coverage) (see next page for detail)

	Shield Coverage 85%	Shield Coverage 90%	Component Color Sequence
Colored Stripes	"—"	"C"	9/96/93/98/92/90/94/97/98/91/966/933/955…
Solid Colors	"A"	"D"	9/6/3/5/2/0/4/7/8/1/966/933/955/922/900
Band Marks on Solid Colors (by AWG)	"B"	"E"	
Alternate Colored Stripes	"F"	"H"	92/96/94/95/9/90/91/93/97/98/29/69/49/59/09
Alternate Solid Colors	"G"	"J"	2/6/4/5/9/0/1/3/7/8/29/69/49/59/09
Number Marking on Solid Colors (by AWG)	"K"	"M"	
Number Marking on White Wires	"L"	"N"	
Band Marks on Colored Stripes (by AWG)	"P"	"R"	
Band Marks on White Wires	"S"	"T"	
All Other Wire IDs not Defined Above	"U"	"V"	Wire ID Must Be Defined by P.O.

Component Wire Specification

MD = M81044/5	SB = M22759/32	ST = M22759/46
ME = M81044/6	SC = M22759/33	TE = M22759/16
MF = M81044/7	SD = M22759/34	TG = M22759/18
MG = M81044/8	SE = M22759/35	UA = M22759/51
MH = M81044/9	SM = M22759/41	UB = M22759/52
MJ = M81044/10	SN = M22759/42	UC = M22759/53
MK = M81044/11	SP = M22759/43	UD = M22759/54
ML = M81044/12	SR = M22759/44	
MM = M81044/13	SS = M22759/45	

Shield Style

	Single Shield Round	Single Shield Flat	Double Shield Round	Double Shield Flat
U = No Shield				
Tin-Coated Copper	T	J	V	D
Silver-Coated Copper	S	G	W	A
Nickel-Coated Copper	N	*	Y	#
Stainless Steel	F	—	Z	—
Silver-Coated Alloy	M	H	K	B
Nickel-Coated Alloy	P	E	L	X
Nickel-Chromium Alloy	—	I	—	Q
Heavy Nickel-Coated Copper	C	—	R	—

Jacket Style

	Single Jacket	Double Jacket
00 = No Jacket		
White, Crosslinked, Extruded, Polyvinylidene Fluoride (XL-PVF_2 or XL-PVDF)	08	58
White, Crosslinked, Extruded, Modified Ethylene-Tetrafluoro-Ethylene (XL-ETFE)	23	73
White, Crosslinked, Extruded, Modified Low Fluoride Ethylene-Tetrafluoroethylene Copolymer (XL-ETFE)	26	76
White, Crosslinked, Extruded, Modified Abrasion-Resistant Ethylene-Tetrafluoroethylene Copolymer (XL-ETFE)	27	77

Color Coding

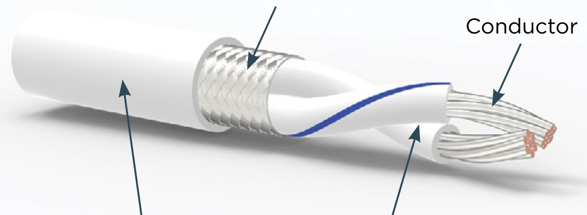
WC 27500 Color Coding

<table>
<tr><th colspan="2">Shield Coverage</th><th rowspan="2">ID Method for Component Wires</th></tr>
<tr><th>85%</th><th>90%</th></tr>
<tr><td>“—”</td><td>“C”</td><td>Stripe colors are to be selected in sequence from the following: (Raychem Code: MSTx)
9 / 96 / 93 / 95 / 92 / 90 / 94 / 97 / 98 / 91
966 / 933 / 955 / 922 / 900
(Note: For 55A, AWG 2-00 only, colors are:
5D/5D6/5D3/5D5/5D2/5D0/5D4/5D7/5D8/5D1/5D66/5D33/5D55/5D22/5D00)</td></tr>
<tr><td>“A”</td><td>“D”</td><td>Solid colors (for the 1st 10 conductors) are to be selected in sequence from the following: (Raychem Code: MSLx)
9 / 6 / 3 / 5 / 2 / 0 / 4 / 7 / 8 / 1
966 / 933 / 955 / 922 / 900</td></tr>
<tr><td>“B”</td><td>“E”</td><td>Band Marking:
All wires are the same solid color dictated by AWG size as shown:
(Raychem Code: MBDx)
<table>
<tr><th>AWG</th><th>Color Code</th><th>AWG</th><th>Color Code</th><th>AWG</th><th>Color Code</th></tr>
<tr><td>26</td><td>0</td><td>14</td><td>5</td><td>4</td><td>4</td></tr>
<tr><td>24</td><td>6</td><td>12</td><td>4</td><td>2</td><td>2</td></tr>
<tr><td>22</td><td>5</td><td>10</td><td>1</td><td>1</td><td>9</td></tr>
<tr><td>20</td><td>2</td><td>8</td><td>2</td><td>0</td><td>6</td></tr>
<tr><td>18</td><td>9</td><td>6</td><td>6</td><td>00</td><td>5</td></tr>
<tr><td>16</td><td>6</td><td></td><td></td><td></td><td></td></tr>
</table></td></tr>
<tr><td>“F”</td><td>“H”</td><td>Stripe colors are to be selected in sequence from the following:
(Note: 1-conductor cables are white “-9”): (Raychem Code: MASx)
92 / 96 / 94 / 95 / 9 / 90 / 91 / 93 / 97 / 98
29 / 69 / 49 / 59 / 09
(Note: For 55A, AWG 2-00 only, colors are: 5D2/5D6/5D4/5D5/5D9/5D0/5D1/5D3/5D7/5D8)</td></tr>
<tr><td>“G”</td><td>“J”</td><td>Solid colors (for the 1st 10 conductors) are to be selected in sequence from the following: (Note: 1-conductor cables are white “-9”): (Raychem Code: MACx)
2 / 6 / 4 / 5 / 9 / 0 / 1 / 3 / 7 / 8
29 / 69 / 49 / 59 / 09</td></tr>
<tr><td>“K”</td><td>“M”</td><td>Number Marking on wires color coded by AWG size (Raychem Code: MNCx)
(see colors for Band Marking above)</td></tr>
<tr><td>“L”</td><td>“N”</td><td>Number Marking on all white wires (Raychem Code: MNWx)</td></tr>
<tr><td>“U”</td><td>“V”</td><td>Wire colors as specified by Customer PO;
must be different from colors already defined above.</td></tr>
</table>

NEMA WC 27500- MD, ME and MF (AS81044/5, /6 and /7 Basic Wire Spec.) Modified Crosslinked PVDF

Radiation-Crosslinked, Polyalkene insulated, Normal Weight Airframe Cables

- **Construction:** Dual wall primary wires, braided and jacketed cable
- **Wire Insulation:** Polyalkene (primary), PVDF (jacket)
- **Shielding:** 85% braid coverage
- **Cable Jacket:** PVF²
- **Voltage Rating:** 600V



Part Numbering System

M27500	-	12	ME	1	T	08
NEMA Base No.	Dash (-) = Striped Color Code	Conductor Size (AWG)	Basic Wire Spec. (ME = SAE AS81044/6)	No. of Conductors	Shield (T = Round Tinned Copper)	Jacket Material (08 = White XL = PVF²)

Color Codes

Wire 1: No Stripe	Wire 3: Orange Stripe
Wire 2: Blue Stripe	Wire 4: Green Stripe

Note: Wires are identified by color stripes on white wire (M27500-) or solid wire colors (M27500A). See Color Chart for sequence.

Below and on back are listed the most common material and design choices available from TE Connectivity. Please note that other versions are available upon request.

Table 1: ME (AS81044/6 Basic Wire Spec) | 150°C | Tin-Coated Copper Conductor and Braid								
Mil-Spec	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
				Minimum	Nominal	Nominal	Maximum	
M27500-24ME1T08	24	38	1	.006	.008	.092	.097	8.0
M27500-22ME1T08	22	36	1	.006	.008	.108	.114	11.3
M27500-20ME1T08	20	36	1	.006	.008	.117	.123	13.9
M27500-18ME1T08	18	36	1	.006	.008	.127	.133	17.3
M27500-16ME1T08	16	36	1	.006	.008	.136	.142	20.4
M27500-14ME1T08	14	36	1	.006	.008	.154	.161	27.1
M27500-12ME1T08	12	36	1	.007	.009	.172	.179	36.8

Note: Nominal values are for information only. Nominal values are not requirements.

NEMA WC 27500- MD, ME and MF (AS81044/5, /6 and /7 Basic Wire Spec.) Modified Crosslinked PVDF

Table 1: ME (AS81044/6 Basic Wire Spec) | 150°C | Tin-Coated Copper Conductor and Braid (continued)								
Mil-Spec	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
				Minimum	Nominal	Nominal	Maximum	
M27500-24ME2T08	24	36	2	.006	.008	.153	.160	15.3
M27500-22ME2T08	22	36	2	.007	.009	.179	.186	20.4
M27500-20ME2T08	20	36	2	.007	.009	.197	.204	25.3
M27500-18ME2T08	18	36	2	.007	.009	.217	.225	31.9
M27500-16ME2T08	16	36	2	.007	.009	.235	.243	37.8
M27500-14ME2T08	14	36	2	.008	.010	.273	.283	51.9
M27500-12ME2T08	12	36	2	.008	.010	.305	.320	70.4
M27500-24ME3T08	24	36	3	.006	.008	.162	.169	19.7
M27500-22ME3T08	22	36	3	.007	.009	.190	.197	26.3
M27500-20ME3T08	20	36	3	.007	.009	.209	.217	33.2
M27500-18ME3T08	18	36	3	.007	.009	.231	.239	42.8
M27500-16ME3T08	16	36	3	.007	.009	.251	.261	50.7
M27500-14ME3T08	14	36	3	.008	.010	.291	.301	71.1
M27500-12ME3T08	12	36	3	.008	.010	.326	.342	97.9
M27500-24ME4T08	24	36	4	.006	.008	.162	.169	19.7
M27500-22ME4T08	22	36	4	.007	.009	.190	.197	26.3
M27500-20ME4T08	20	36	4	.007	.009	.209	.217	33.2
M27500-18ME4T08	18	36	4	.007	.009	.231	.239	42.8
M27500-16ME4T08	16	36	4	.007	.009	.251	.261	50.7
M27500-14ME4T08	14	36	4	.008	.010	.291	.301	71.1
M27500-12ME4T08	12	36	4	.008	.010	.326	.342	97.9

Note: Nominal values are for information only. Nominal values are not requirements.

NEMA WC 27500- MD, ME and MF (AS81044/5, /6 and /7 Basic Wire Spec.) Modified Crosslinked PVDF

Table 2: MD (AS81044/5 Basic Wire Spec) | 150°C | Silver-Coated Copper Conductor and Braid								
Mil-Spec	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
				Minimum	Nominal	Nominal	Maximum	
M27500-24MD1T08	24	36	1	.006	.008	.092	.097	8.0
M27500-22MD1T08	22	36	1	.006	.008	.108	.114	11.3
M27500-20MD1T08	20	36	1	.006	.008	.117	.123	13.9
M27500-18MD1T08	18	36	1	.006	.008	.127	.133	17.3
M27500-16MD1T08	16	36	1	.006	.008	.136	.142	20.4
M27500-14MD1T08	14	36	1	.006	.008	.154	.161	27.1
M27500-12MD1T08	12	36	1	.007	.009	.172	.179	36.8
M27500-24MD2T08	24	36	2	.006	.008	.153	.160	15.3
M27500-22MD2T08	22	36	2	.007	.009	.179	.186	20.4
M27500-20MD2T08	20	36	2	.007	.009	.197	.204	25.3
M27500-18MD2T08	18	36	2	.007	.009	.217	.225	31.9
M27500-16MD2T08	16	36	2	.007	.009	.235	.243	37.8
M27500-14MD2T08	14	36	2	.008	.010	.273	.283	51.9
M27500-12MD2T08	12	36	2	.008	.010	.305	.320	70.4
M27500-24MD3T08	24	36	3	.006	.008	.162	.169	14.0
M27500-22MD3T08	22	36	3	.007	.009	.190	.197	14.0
M27500-20MD3T08	20	36	3	.007	.009	.209	.217	18.0
M27500-18MD3T08	18	36	3	.007	.009	.231	.239	18.0
M27500-16MD3T08	16	36	3	.007	.009	.251	.261	23.0
M27500-14MD3T08	14	36	3	.008	.010	.291	.301	23.0
M27500-12MD3T08	12	36	3	.008	.010	.326	.342	23.0
M27500-24MD4T08	24	36	4	.007	.009	.177	.206	18.0
M27500-22MD4T08	22	36	4	.007	.009	.206	.240	18.0
M27500-20MD4T08	20	36	4	.007	.009	.228	.266	24.0
M27500-18MD4T08	18	36	4	.007	.009	.252	.295	24.0
M27500-16MD4T08	16	36	4	.008	.010	.276	.323	30.0
M27500-14MD4T08	14	36	4	.008	.010	.319	.375	30.0
M27500-12MD4T08	12	36	4	.010	.012	.358	.421	30.0

Note: Nominal values are for information only. Nominal values are not requirements.

NEMA WC 27500- MD, ME and MF (AS81044/5, /6 and /7 Basic Wire Spec.) Modified Crosslinked PVDF

Table 3: MF (AS81044/7 Basic Wire Spec) | 150°C | Silver-Coated HIgh Strength Copper Alloy Conductor with Tin-Coated Copper Braid

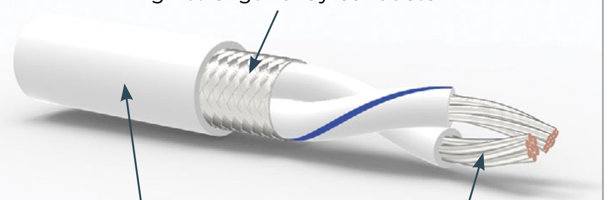
Mil-Spec	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
				Minimum	Nominal	Nominal	Maximum	
M27500-24MF1T08	24	36	1	.006	.008	.092	.097	8.0
M27500-22MF1T08	22	36	1	.006	.008	.108	.114	11.3
M27500-20MF1T08	20	36	1	.006	.008	.117	.123	13.9
M27500-18MF1T08	18	36	1	.006	.008	.127	.133	17.3
M27500-16MF1T08	16	36	1	.006	.008	.136	.142	20.4
M27500-14MF1T08	14	36	1	.006	.008	.154	.161	27.1
M27500-12MF1T08	12	36	1	.007	.009	.172	.179	36.8
M27500-24MF2T08	24	36	2	.006	.008	.153	.160	15.3
M27500-22MF2T08	22	36	2	.007	.009	.179	.186	20.4
M27500-20MF2T08	20	36	2	.007	.009	.197	.204	25.3
M27500-18MF2T08	18	36	2	.007	.009	.217	.225	31.9
M27500-16MF2T08	16	36	2	.007	.009	.235	.243	37.8
M27500-14MF2T08	14	36	2	.008	.010	.273	.283	51.9
M27500-12MF2T08	12	36	2	.008	.010	.305	.320	70.4
M27500-24MF3T08	24	36	3	.006	.008	.162	.169	14.0
M27500-22MF3T08	22	36	3	.007	.009	.190	.197	14.0
M27500-20MF3T08	20	36	3	.007	.009	.209	.217	18.0
M27500-18MF3T08	18	36	3	.007	.009	.231	.239	18.0
M27500-16MF3T08	16	36	3	.007	.009	.251	.261	23.0
M27500-14MF3T08	14	36	3	.008	.010	.291	.301	23.0
M27500-12MF3T08	12	36	3	.008	.010	.326	.342	23.0
M27500-24MF4T08	24	36	4	.007	.009	.177	.206	18.0
M27500-22MF4T08	22	36	4	.007	.009	.206	.240	18.0
M27500-20MF4T08	20	36	4	.007	.009	.228	.266	24.0
M27500-18MF4T08	18	36	4	.007	.009	.252	.295	24.0
M27500-16MF4T08	16	36	4	.008	.010	.276	.323	30.0
M27500-14MF4T08	14	36	4	.008	.010	.319	.375	30.0
M27500-12MF4T08	12	36	4	.010	.012	.358	.421	30.0

Note: Nominal values are for information only. Nominal values are not requirements.

NEMA WC 27500- MG, MH and MJ (AS81044/8, /9 and /10 Basic Wire Spec.) Modified Crosslinked PVDF

Radiation-Crosslinked, Polyalkene insulated, Medium Weight Cables

- **Construction:** Dual wall primary wires, braided and jacketed cable
- **Wire Insulation:** Polyalkene (primary), PVDF (jacket)
- **Shielding:** 85% braid coverage
- **Cable Jacket:** PVF[2]
- **Voltage Rating:** 600V



Part Numbering System

M27500	-	12	MH	2	T	08
NEMA Base No.	Dash (-) = Striped Color Code	Conductor Size (AWG)	Basic Wire Spec. (MH = SAE AS81044/9)	No. of Conductors	Shield (T = Round Tinned Copper)	Jacket Material (08 = White XL = PVDF)

Color Codes

Wire 1: No Stripe	Wire 3: Orange Stripe
Wire 2: Blue Stripe	Wire 4: Green Stripe

Note: Wires are identified by color stripes on white wire (M27500-) or solid wire colors (M27500A). See Color Chart for sequence.

Below and on back are listed the most common material and design choices available from TE Connectivity. Please note that other versions are available upon request.

Table 1: MH (AS81044/9 Basic Wire Spec) | 150°C | Tin-Coated Copper Conductor and Braid

Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-24MH1T08	1	24	38	1	.005	.010	.087	.093	7.9
M27500-22MH1T08	1	22	38	1	.005	.010	.095	.101	9.8
M27500-20MH1T08	1	20	38	1	.005	.010	.103	.110	12.0
M27500-18MH1T08	1	18	38	1	.005	.010	.113	.120	15.2
M27500-16MH1T08	1	16	38	1	.005	.010	.122	.129	18.0
M27500-14MH1T08	1	14	38	1	.005	.010	.141	.148	24.8
M27500-12MH1T08	1	12	38	1	.005	.010	.159	.167	33.7
M27500-10MH1T08	1	10	38	1	.006	.012	.190	.200	48.9
M27500-8MH1T08	1	8	38	1	.007	.014	.251	.264	81.3
M27500-6MH1T08	1	6	36	1	.007	.014	.305	.320	126
M27500-4MH1T08	1	4	36	1	.007	.014	.361	.379	185

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- MG, MH and MJ (AS81044/8, /9 and /10 Basic Wire Spec.) Modified Crosslinked PVDF

Table 1: MH (AS81044/9 Basic Wire Spec) | 150°C | Tin-Coated Copper Conductor and Braid (continued)									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-24MH2T08	2	24	38	2	.005	.010	.141	.148	13.3
M27500-22MH2T08	2	22	38	2	.005	.010	.157	.165	16.8
M27500-20MH2T08	2	20	38	2	.006	.012	.175	.183	21.4
M27500-18MH2T08	2	18	38	2	.006	.012	.195	.203	27.7
M27500-16MH2T08	2	16	38	2	.006	.012	.213	.222	33.2
M27500-14MH2T08	2	14	38	2	.007	.014	.251	.262	46.4
M27500-12MH2T08	2	12	38	2	.007	.014	.289	.303	63.9
M27500-10MH2T08	2	10	36	2	.007	.014	.351	.369	98.5
M27500-24MH3T08	3	24	38	3	.005	.010	.150	.157	17.3
M27500-22MH3T08	3	22	38	3	.006	.012	.169	.177	22.7
M27500-20MH3T08	3	20	38	3	.006	.012	.186	.194	28.7
M27500-18MH3T08	3	18	38	3	.006	.012	.208	.217	37.8
M27500-16MH3T08	3	16	38	3	.007	.014	.227	.236	45.6
M27500-14MH3T08	3	14	38	3	.007	.014	.268	.279	64.8
M27500-12MH3T08	3	12	36	3	.007	.014	.313	.329	94.4
M27500-10MH3T08	3	10	36	3	.007	.014	.376	.395	138
M27500-24MH4T08	4	24	38	4	.005	.010	.164	.172	21.4
M27500-22MH4T08	4	22	38	4	.006	.012	.185	.193	28.2
M27500-20MH4T08	4	20	38	4	.006	.012	.204	.213	36.1
M27500-18MH4T08	4	18	38	4	.007	.014	.229	.238	47.3
M27500-16MH4T08	4	16	38	4	.007	.014	.250	.259	58.1
M27500-14MH4T08	4	14	36	4	.007	.014	.302	.317	87.4
M27500-12MH4T08	4	12	36	4	.007	.014	.346	.363	122
M27500-10MH4T08	4	10	36	4	.007	.014	.416	.491	178

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- MG, MH and MJ (AS81044/8, /9 and /10 Basic Wire Spec.) Modified Crosslinked PVDF

Table 2: MG (AS81044/8 Basic Wire Spec) | 150°C | Silver-Coated Copper Conductor and Braid

Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-24MG1T08	1	24	38	1	.006	.008	.089	.094	7.9
M27500-22MG1T08	1	22	36	1	.006	.008	.101	.107	10.4
M27500-20MG1T08	1	20	36	1	.006	.008	.109	.115	12.9
M27500-18MG1T08	1	18	36	1	.006	.008	.119	.125	16.2
M27500-16MG1T08	1	16	36	1	.006	.008	.128	.134	18.9
M27500-14MG1T08	1	14	36	1	.006	.008	.147	.153	26.0
M27500-12MG1T08	1	12	36	1	.006	.008	.165	.172	35.2
M27500-10MG1T08	1	10	36	1	.007	.009	.196	.201	51.5
M27500-8MG1T08	1	8	36	1	.007	.009	.253	.266	83.7
M27500-6MG1T08	1	6	36	1	.007	.010	.305	.320	126.0
M27500-4MG1T08	1	4	36	1	.007	.010	.361	.379	185.0
M27500-24MG2T08	2	24	36	2	.006	.008	.147	.153	14.6
M27500-22MG2T08	2	22	36	2	.006	.008	.163	.170	18.1
M27500-20MG2T08	2	20	36	2	.007	.009	.181	.188	23.2
M27500-18MG2T08	2	18	36	2	.007	.009	.201	.209	29.9
M27500-16MG2T08	2	16	36	2	.007	.009	.219	.227	35.3
M27500-14MG2T08	2	14	36	2	.007	.009	.257	.267	49.2
M27500-12MG2T08	2	12	36	2	.008	.010	.295	.305	67.8
M27500-10MG2T08	2	10	36	2	.008	.010	.353	.371	98.8
M27500-8MG2T08	2	8	34	2	.010	.012	.479	.503	172.0
M27500-6MG2T08	2	6	34	2	.010	.012	.579	.608	249.0
M27500-4MG2T08	2	4	34	2	.015	.018	.703	.738	395.0
M27500-2MG2T08	2	2	34	2	.015	.018	.863	.906	591.0
M27500-24MG3T08	3	24	36	3	.006	.008	.156	.163	18.7
M27500-22MG3T08	3	22	36	3	.007	.009	.175	.182	23.9
M27500-20MG3T08	3	20	36	3	.007	.009	.192	.199	30.5
M27500-18MG3T08	3	18	36	3	.007	.009	.214	.222	40.3
M27500-16MG3T08	3	16	36	3	.007	.009	.233	.241	47.6
M27500-14MG3T08	3	14	36	3	.008	.010	.276	.286	68.5
M27500-12MG3T08	3	12	36	3	.008	.010	.315	.331	94.4
M27500-10MG3T08	3	10	36	3	.008	.010	.376	.395	138.0
M27500-8MG3T08	3	8	34	3	.010	.012	.513	.539	249.0

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- MG, MH and MJ (AS81044/8, /9 and /10 Basic Wire Spec.) Modified Crosslinked PVDF

Table 2: MG (AS81044/8 Basic Wire Spec) | 150°C | Silver-Coated Copper Conductor and Braid (continued)									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-24MG4T08	4	24	38	4	.007	.009	.176	.183	23.6
M27500-22MG4T08	4	22	36	4	.007	.009	.196	.203	29.7
M27500-20MG4T08	4	20	36	4	.007	.009	.216	.224	38.2
M27500-18MG4T08	4	18	36	4	.007	.009	.241	.249	50.6
M27500-16MG4T08	4	16	36	4	.007	.009	.264	.274	60.6
M27500-14MG4T08	4	14	36	4	.008	.010	.313	.329	87.7
M27500-12MG4T08	4	12	36	4	.008	.010	.358	.376	122.0

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- MG, MH and MJ (AS81044/8, /9 and /10 Basic Wire Spec.) Modified Crosslinked PVDF

Table 3: MJ (AS81044/10 Basic Wire Spec) | 150°C | Silver-Coated HIgh Strength Copper Alloy Conductor with Tin-Coated Copper Braid									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-24MJ1T08	1	24	38	1	.006	.008	.089	.094	7.9
M27500-22MJ1T08	1	22	36	1	.006	.008	.101	.107	10.4
M27500-20MJ1T08	1	20	36	1	.006	.008	.109	.115	12.9
M27500-18MJ1T08	1	18	36	1	.006	.008	.119	.125	16.2
M27500-16MJ1T08	1	16	36	1	.006	.008	.128	.134	18.9
M27500-14MJ1T08	1	14	36	1	.006	.008	.147	.153	26.0
M27500-12MJ1T08	1	12	36	1	.006	.008	.165	.172	35.2
M27500-10MJ1T08	1	10	36	1	.007	.009	.196	.201	51.5
M27500-8MJ1T08	1	8	36	1	.007	.009	.253	.266	83.7
M27500-6MJ1T08	1	6	36	1	.007	.010	.305	.320	126.0
M27500-4MJ1T08	1	4	36	1	.007	.010	.361	.379	185.0
M27500-24MJ2T08	2	24	36	2	.006	.008	.147	.153	14.6
M27500-22MJ2T08	2	22	36	2	.006	.008	.163	.170	18.1
M27500-20MJ2T08	2	20	36	2	.007	.009	.181	.188	23.2
M27500-18MJ2T08	2	18	36	2	.007	.009	.201	.209	29.9
M27500-16MJ2T08	2	16	36	2	.007	.009	.219	.227	35.3
M27500-14MJ2T08	2	14	36	2	.007	.009	.257	.267	49.2
M27500-12MJ2T08	2	12	36	2	.008	.010	.295	.305	67.8
M27500-10MJ2T08	2	10	36	2	.008	.010	.353	.371	98.8
M27500-8MJ2T08	2	8	34	2	.010	.012	.479	.503	172.0
M27500-6MJ2T08	2	6	34	2	.010	.012	.579	.608	249.0
M27500-4MJ2T08	2	4	34	2	.015	.018	.703	.738	395.0
M27500-2MJ2T08	2	2	34	2	.015	.018	.863	.906	591.0
M27500-24MJ3T08	3	24	36	3	.006	.008	.156	.163	18.7
M27500-22MJ3T08	3	22	36	3	.007	.009	.175	.182	23.9
M27500-20MJ3T08	3	20	36	3	.007	.009	.192	.199	30.5
M27500-18MJ3T08	3	18	36	3	.007	.009	.214	.222	40.3
M27500-16MJ3T08	3	16	36	3	.007	.009	.233	.241	47.6
M27500-14MJ3T08	3	14	36	3	.008	.010	.276	.286	68.5
M27500-12MJ3T08	3	12	36	3	.008	.010	.315	.331	94.4
M27500-10MJ3T08	3	10	36	3	.008	.010	.376	.395	138.0
M27500-8MJ3T08	3	8	34	3	.010	.012	.513	.539	249.0

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- MG, MH and MJ (AS81044/8, /9 and /10 Basic Wire Spec.) Modified Crosslinked PVDF

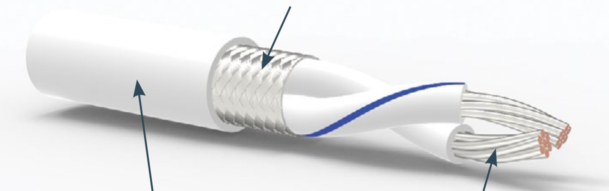
Table 3: MJ (AS81044/10 Basic Wire Spec) | 150°C | Silver-Coated HIgh Strength Copper Alloy Conductor with Tin-Coated Copper Braid (continued)									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-24MJ4T08	4	24	38	4	.007	.009	.176	.183	23.6
M27500-22MJ4T08	4	22	36	4	.007	.009	.196	.203	29.7
M27500-20MJ4T08	4	20	36	4	.007	.009	.216	.224	38.2
M27500-18MJ4T08	4	18	36	4	.007	.009	.241	.249	50.6
M27500-16MJ4T08	4	16	36	4	.007	.009	.264	.274	60.6
M27500-14MJ4T08	4	14	36	4	.008	.010	.313	.329	87.7
M27500-12MJ4T08	4	12	36	4	.008	.010	.358	.376	122.0

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- MK, ML and MM (AS81044/11, /12 and /13 Basic Wire Spec.) Modified Crosslinked PVDF

Radiation-Crosslinked, Polyalkene insulated, Light Weight General Purpose Cables

- **Construction:** Dual wall primary wires, braided and jacketed cable
- **Wire Insulation:** Polyalkene (primary), PVDF (jacket)
- **Shielding:** 85% braid coverage
- **Cable Jacket:** PVF[2]
- **Voltage Rating:** 600V



Part Numbering System

M27500	-	12	ML	2	T	08
NEMA Base No.	Dash (-) = Striped Color Code	Conductor Size (AWG)	Basic Wire Spec. (ML = SAE AS81044/ 12)	No. of Conductors	Shield (T = Round Tinned Copper)	Jacket Material (08 = White XL = PVDF)

Color Codes

Wire 1: No Stripe	Wire 3: Orange Stripe
Wire 2: Blue Stripe	Wire 4: Green Stripe

Note: Wires are identified by color stripes on white wire (M27500-) or solid wire colors (M27500A). See Color Chart for sequence.

Below and on back are listed the most common material and design choices available from TE Connectivity. Please note that other versions are available upon request.

Mil-Spec Cable 27500

Table 1: ML (AS81044/12 Basic Wire Spec) | 150°C | Tin-Coated Copper Conductor and Braid

Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-26ML1T08	1	26	38	1	.005	.010	.065	.071	4.9
M27500-24ML1T08	1	24	38	1	.005	.010	.071	.077	6.1
M27500-22ML1T08	1	22	38	1	.005	.010	.078	.084	7.6
M27500-20ML1T08	1	20	38	1	.005	.010	.088	.094	9.9
M27500-18ML1T08	1	18	38	1	.005	.010	.098	.104	13.0
M27500-16ML1T08	1	16	38	1	.005	.010	.105	.112	15.5
M27500-14ML1T08	1	14	38	1	.005	.010	.122	.129	21.8
M27500-12ML1T08	1	12	38	1	.005	.010	.141	.148	31.0
M27500-26ML2T08	2	26	38	2	.005	.010	.101	.108	8.2
M27500-24ML2T08	2	24	38	2	.005	.010	.113	.120	10.4
M27500-22ML2T08	2	22	38	2	.005	.010	.127	.134	13.3
M27500-20ML2T08	2	20	38	2	.005	.010	.143	.150	17.2
M27500-18ML2T08	2	18	38	2	.005	.010	.163	.171	23.3
M27500-16ML2T08	2	16	38	2	.006	.012	.179	.187	28.5
M27500-14ML2T08	2	14	38	2	.006	.012	.213	.222	40.8
M27500-12ML2T08	2	12	38	2	.007	.014	.251	.262	58.9

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- MK, ML and MM (AS81044/11, /12 and /13 Basic Wire Spec.) Modified Crosslinked PVDF

Table 1: ML (AS81044/12 Basic Wire Spec) | 150°C | Tin-Coated Copper Conductor and Braid (continued)									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-26ML3T08	3	26	38	3	.005	.010	.106	.113	10.5
M27500-24ML3T08	3	24	38	3	.005	.010	.119	.126	13.5
M27500-22ML3T08	3	22	38	3	.005	.010	.135	.142	17.5
M27500-20ML3T08	3	20	38	3	.005	.010	.152	.160	23.2
M27500-18ML3T08	3	18	38	3	.006	.012	.175	.183	32.4
M27500-16ML3T08	3	16	38	3	.006	.012	.191	.199	39.3
M27500-14ML3T08	3	14	38	3	.007	.014	.227	.236	57.1
M27500-12ML3T08	3	12	38	3	.007	.014	.268	.279	83.5
M27500-26ML4T08	4	26	38	4	.005	.010	.115	.133	12.8
M27500-24ML4T08	4	24	38	4	.005	.010	.130	.150	16.3
M27500-22ML4T08	4	22	38	4	.005	.010	.147	.170	21.7
M27500-20ML4T08	4	20	38	4	.005	.010	.166	.193	29.2
M27500-18ML4T08	4	18	38	4	.006	.012	.192	.224	40.9
M27500-16ML4T08	4	16	38	4	.006	.012	.209	.245	49.6
M27500-14ML4T08	4	14	38	4	.007	.014	.252	.296	72.3
M27500-12ML4T08	4	12	38	4	.007	.014	.298	.351	104

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- MK, ML and MM (AS81044/11, /12 and /13 Basic Wire Spec.) Modified Crosslinked PVDF

Table 2: MK (AS81044/11 Basic Wire Spec) | 150°C | Silver-Coated Copper Conductor and Braid									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-26MK1T08	1	26	38	1	.005	.007	.065	.070	4.6
M27500-24MK1T08	1	24	38	1	.005	.007	.072	.077	5.8
M27500-22MK1T08	1	22	38	1	.005	.007	.079	.084	7.2
M27500-20MK1T08	1	20	38	1	.006	.008	.089	.094	9.9
M27500-18MK1T08	1	18	36	1	.006	.008	.103	.108	13.9
M27500-16MK1T08	1	16	36	1	.006	.008	.110	.115	16.5
M27500-14MK1T08	1	14	36	1	.006	.008	.127	.132	22.9
M27500-12MK1T08	1	12	36	1	.006	.008	.146	.151	32.1
M27500-10MK1T08	1	10	36	1	.006	.008	.166	.179	44.3
M27500-26MK2T08	2	26	38	2	.006	.008	.102	.107	8.1
M27500-24MK2T08	2	24	36	2	.006	.008	.118	.123	11.3
M27500-22MK2T08	2	22	36	2	.006	.008	.132	.137	14.5
M27500-20MK2T08	2	20	36	2	.006	.008	.148	.153	18.8
M27500-18MK2T08	2	18	36	2	.007	.009	.170	.175	25.7
M27500-16MK2T08	2	16	36	2	.007	.009	.184	.189	30.2
M27500-14MK2T08	2	14	36	2	.007	.009	.218	.225	43.2
M27500-12MK2T08	2	12	36	2	.007	.009	.256	.265	61.5
M27500-10MK2T08	2	10	36	2	.008	.010	.299	.314	86.3
M27500-26MK3T08	3	26	36	3	.006	.008	.111	.116	11.1
M27500-24MK3T08	3	24	36	3	.006	.008	.124	.129	14.4
M27500-22MK3T08	3	22	36	3	.006	.008	.140	.145	18.8
M27500-20MK3T08	3	20	36	3	.006	.008	.157	.163	25.0
M27500-18MK3T08	3	18	36	3	.007	.009	.180	.185	34.4
M27500-16MK3T08	3	16	36	3	.007	.009	.196	.201	41.1
M27500-14MK3T08	3	14	36	3	.007	.009	.232	.239	59.6
M27500-12MK3T08	3	12	36	3	.008	.010	.275	.282	86.8
M27500-26MK4T08	4	26	36	4	.006	.008	.119	.137	14.0
M27500-24MK4T08	4	24	36	4	.006	.008	.134	.154	17.6
M27500-22MK4T08	4	22	36	4	.006	.008	.151	.175	23.1
M27500-20MK4T08	4	20	36	4	.007	.009	.172	.200	31.4
M27500-18MK4T08	4	18	36	4	.007	.009	.196	.229	42.9
M27500-16MK4T08	4	16	36	4	.007	.009	.213	.249	51.7
M27500-14MK4T08	4	14	36	4	.007	.009	.254	.298	74.1
M27500-12MK4T08	4	12	36	4	.008	.010	.302	.355	108.0

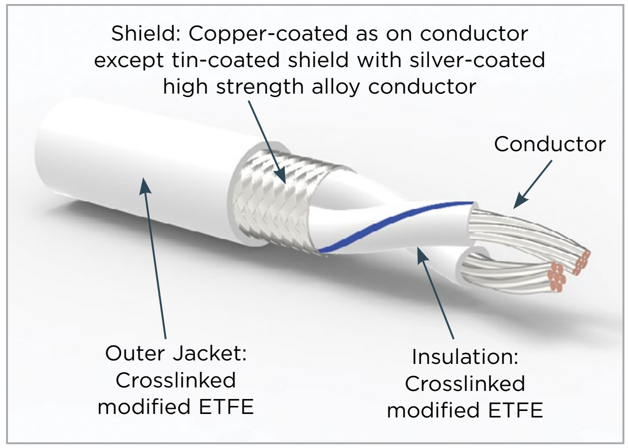
NEMA WC 27500- MK, ML and MM (AS81044/11, /12 and /13 Basic Wire Spec.) Modified Crosslinked PVDF

Table 3: MM (AS81044/13 Basic Wire Spec) | 150°C | Silver-Coated HIgh Strength Copper Alloy Conductor with Tin-Coated Copper Braid									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-26MM1T08	1	26	38	1	.005	.007	.065	.070	4.6
M27500-24MM1T08	1	24	38	1	.005	.007	.072	.077	5.8
M27500-22MM1T08	1	22	38	1	.005	.007	.079	.084	7.2
M27500-20MM1T08	1	20	38	1	.006	.008	.089	.094	9.9
M27500-18MM1T08	1	18	36	1	.006	.008	.103	.108	13.9
M27500-16MM1T08	1	16	36	1	.006	.008	.110	.115	16.5
M27500-14MM1T08	1	14	36	1	.006	.008	.127	.132	22.9
M27500-12MM1T08	1	12	36	1	.006	.008	.146	.151	32.1
M27500-10MM1T08	1	10	36	1	.006	.008	.166	.179	44.3
M27500-26MM2T08	2	26	38	2	.006	.008	.102	.107	8.1
M27500-24MM2T08	2	24	36	2	.006	.008	.118	.123	11.3
M27500-22MM2T08	2	22	36	2	.006	.008	.132	.137	14.5
M27500-20MM2T08	2	20	36	2	.006	.008	.148	.153	18.8
M27500-18MM2T08	2	18	36	2	.007	.009	.170	.175	25.7
M27500-16MM2T08	2	16	36	2	.007	.009	.184	.189	30.2
M27500-14MM2T08	2	14	36	2	.007	.009	.218	.225	43.2
M27500-12MM2T08	2	12	36	2	.007	.009	.256	.265	61.5
M27500-10MM2T08	2	10	36	2	.008	.010	.299	.314	86.3
M27500-26MM3T08	3	26	36	3	.006	.008	.111	.116	11.1
M27500-24MM3T08	3	24	36	3	.006	.008	.124	.129	14.4
M27500-22MM3T08	3	22	36	3	.006	.008	.140	.145	18.8
M27500-20MM3T08	3	20	36	3	.006	.008	.157	.163	25.0
M27500-18MM3T08	3	18	36	3	.007	.009	.180	.185	34.4
M27500-16MM3T08	3	16	36	3	.007	.009	.196	.201	41.1
M27500-14MM3T08	3	14	36	3	.007	.009	.232	.239	59.6
M27500-12MM3T08	3	12	36	3	.008	.010	.275	.282	86.8
M27500-26MM4T08	4	26	36	4	.006	.008	.119	.137	14.0
M27500-24MM4T08	4	24	36	4	.006	.008	.134	.154	17.6
M27500-22MM4T081	4	22	36	4	.006	.008	.151	.175	23.1
M27500-20MM4T08	4	20	36	4	.007	.009	.172	.200	31.4
M27500-18MM4T08	4	18	36	4	.007	.009	.196	.229	42.9
M27500-16MM4T08	4	16	36	4	.007	.009	.213	.249	51.7
M27500-14MM4T08	4	14	36	4	.007	.009	.254	.298	74.1
M27500-12MM4T08	4	12	36	4	.008	.010	.302	.355	108.0

NEMA WC 27500- SB, SC, SR, SS and ST (AS22759/32, /33, /44, /45 and /46 Basic Wire Spec.) Modified Crosslinked ETFE

Radiation-Crosslinked, ETFE insulated, Light Weight Cables

- **Construction:** Single wall primary wires, braided and jacketed cable
- **Wire Insulation:** ETFE
- **Shielding:** 85% braid coverage
- **Cable Jacket:** ETFE
- **Voltage Rating:** 600V



Part Numbering System

M27500	-	12	SB	2	T	23
NEMA Base No.	Dash (-) = Striped Color Code A = Solid Color Code	Conductor Size (AWG)	Basic Wire Spec. (SB = SAE AS22759/32)	No. of Conductors	Shield (T = Round Tinned Copper)	Jacket Material (23 = White XL = ETFE)

Color Codes

Wire 1: No Stripe	Wire 3: Orange Stripe
Wire 2: Blue Stripe	Wire 4: Green Stripe

Note: Wires are identified by color stripes on white wire (M27500-) or solid wire colors (M27500A). See Color Chart for sequence.

Below and on back are listed the most common material and design choices available from TE Connectivity. Please note that other versions are available upon request.

Table 1: SB (AS22759/32 Basic Wire Spec) | 150°C | Tin-Coated Copper Conductor and Braid

Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-30SB1T23	1	30	38	1	.005	.010	.057	.062	3.4
M27500-28SB1T23	1	28	38	1	.005	.010	.060	.065	3.9
M27500-26SB1T23	1	26	38	1	.005	.010	.065	.070	4.6
M27500-24SB1T23	1	24	38	1	.005	.010	.070	.075	5.5
M27500-22SB1T23	1	22	38	1	.005	.010	.076	.081	6.9
M27500-20SB1T23	1	20	38	1	.005	.010	.084	.089	9.0
M27500-18SB1T23	1	18	38	1	.005	.010	.094	.099	12.0
M27500-16SB1T23	1	16	38	1	.005	.010	.102	.108	14.6
M27500-14SB1T23	1	14	38	1	.005	.010	.119	.125	20.4
M27500-12SB1T23	1	12	38	1	.005	.010	.137	.143	28.5

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SB, SC, SR, SS and ST (AS22759/32, /33, /44, /45 and /46 Basic Wire Spec.) Modified Crosslinked ETFE

Table 1: SB (AS22759/32 Basic Wire Spec) | 150°C | Tin-Coated Copper Conductor and Braid (continued)									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-30SB2T23	2	30	38	2	.005	.010	.081	.086	5.4
M27500-28SB2T23	2	28	38	2	.005	.010	.087	.092	6.3
M27500-26SB2T23	2	26	38	2	.005	.010	.097	.102	7.9
M27500-24SB2T23	2	24	38	2	.005	.010	.107	.112	9.8
M27500-22SB2T23	2	22	38	2	.005	.010	.119	.125	12.2
M27500-20SB2T23	2	20	38	2	.005	.010	.135	.141	16.2
M27500-18SB2T23	2	18	38	2	.005	.010	.155	.162	21.9
M27500-16SB2T23	2	16	38	2	.005	.010	.171	.178	26.7
M27500-14SB2T23	2	14	38	2	.006	.011	.205	.213	38.4
M27500-12SB2T23	2	12	38	2	.007	.012	.243	.251	55.1
M27500-30SB3T23	3	30	38	3	.005	.010	.085	.090	6.4
M27500-28SB3T23	3	28	38	3	.005	.010	.091	.096	7.6
M27500-26SB3T23	3	26	38	3	.005	.010	.102	.108	9.7
M27500-24SB3T23	3	24	38	3	.005	.010	.113	.119	12.3
M27500-22SB3T23	3	22	38	3	.005	.010	.126	.132	15.9
M27500-20SB3T23	3	20	38	3	.005	.010	.143	.149	21.7
M27500-18SB3T23	3	18	38	3	.005	.010	.165	.172	30.4
M27500-16SB3T23	3	16	38	3	.005	.010	.182	.189	37.4
M27500-14SB3T23	3	14	38	3	.006	.011	.221	.229	54.0
M27500-12SB3T23	3	12	38	3	.007	.012	.260	.270	77.5
M27500-30SB4T23	4	30	38	4	.005	.010	.091	.104	7.7
M27500-28SB4T23	4	28	38	4	.005	.010	.098	.113	9.3
M27500-26SB4T23	4	26	38	4	.005	.010	.110	.127	12.1
M27500-24SB4T23	4	24	38	4	.005	.010	.123	.141	15.4
M27500-22SB4T23	4	22	38	4	.005	.010	.137	.159	19.7
M27500-20SB4T23	4	20	38	4	.005	.010	.154	.179	27.0
M27500-18SB4T23	4	18	38	4	.005	.010	.178	.208	37.7
M27500-16SB4T23	4	16	38	4	.006	.011	.198	.231	46.4
M27500-14SB4T23	4	14	38	4	.007	.012	.241	.282	69.1
M27500-12SB4T23	4	12	38	4	.007	.012	.284	.334	99.6

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SB, SC, SR, SS and ST (AS22759/32, /33, /44, /45 and /46 Basic Wire Spec.) Modified Crosslinked ETFE

Table 2: SC (AS22759/33 Basic Wire Spec) | 200°C | Silver-Coated HIgh Strength Copper Alloy Conductor with Tin-Coated Copper Braid									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-30SC1T23	1	30	38	1	.006	.008	.057	.062	3.4
M27500-28SC1T23	1	28	38	1	.006	.008	.060	.065	3.9
M27500-26SC1T23	1	26	38	1	.006	.008	.065	.070	4.6
M27500-24SC1T23	1	24	38	1	.006	.008	.070	.075	5.5
M27500-22SC1T23	1	22	38	1	.006	.008	.076	.081	6.9
M27500-20SC1T23	1	20	38	1	.006	.008	.084	.089	9.0
M27500-18SC1T23	1	18	38	1	.006	.008	.094	.099	12.0
M27500-16SC1T23	1	16	38	1	.006	.008	.102	.108	14.6
M27500-30SC2T23	2	30	38	1	.006	.008	.081	.086	5.4
M27500-28SC2T23	2	28	38	1	.006	.008	.087	.092	6.3
M27500-26SC2T23	2	26	38	1	.006	.008	.097	.102	7.9
M27500-24SC2T23	2	24	38	1	.006	.008	.107	.113	9.8
M27500-22SC2T23	2	22	38	1	.006	.008	.119	.125	12.4
M27500-20SC2T23	2	20	38	1	.006	.008	.133	.140	16.4
M27500-18SC2T23	2	18	38	1	.006	.008	.153	.161	21.9
M27500-16SC2T23	2	16	38	1	.006	.008	.169	.177	26.6
M27500-30SC3T23	3	30	38	3	.006	.008	.085	.090	6.4
M27500-28SC3T23	3	28	38	3	.006	.008	.091	.096	7.6
M27500-26SC3T23	3	26	38	3	.006	.008	.102	.108	9.7
M27500-24SC3T23	3	24	38	3	.006	.008	.113	.119	12.3
M27500-22SC3T23	3	22	38	3	.006	.008	.126	.132	15.9
M27500-20SC3T23	3	20	38	3	.006	.008	.143	.149	21.7
M27500-18SC3T23	3	18	38	3	.006	.008	.165	.172	30.4
M27500-16SC3T23	3	16	38	3	.006	.008	.182	.189	37.4
M27500-30SC4T23	4	30	38	4	.006	.008	.091	.104	7.7
M27500-28SC4T23	4	28	38	4	.006	.008	.098	.113	9.3
M27500-26SC4T23	4	26	38	4	.006	.008	.110	.127	12.1
M27500-24SC4T23	4	24	38	4	.006	.008	.123	.141	15.4
M27500-22SC4T23	4	22	38	4	.006	.008	.137	.159	20.1
M27500-20SC4T23	4	20	38	4	.006	.008	.154	.179	27.4
M27500-18SC4T23	4	18	38	4	.006	.008	.178	.208	37.7
M27500-16SC4T23	4	16	38	4	.006	.008	.198	.231	46.4

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SB, SC, SR, SS and ST (AS22759/32, /33, /44, /45 and /46 Basic Wire Spec.) Modified Crosslinked ETFE

Table 3: SR (AS22759/44 Basic Wire Spec) | 200°C | Silver-Coated Copper Conductor and Braid									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-30SR1T23	1	30	38	1	.006	.008	.057	.062	3.4
M27500-28SR1T23	1	28	38	1	.006	.008	.060	.065	3.9
M27500-26SR1T23	1	26	38	1	.006	.008	.065	.070	4.7
M27500-24SR1T23	1	24	38	1	.006	.008	.070	.076	5.7
M27500-22SR1T23	1	22	38	1	.006	.008	.076	.082	6.9
M27500-20SR1T23	1	20	38	1	.006	.008	.083	.089	8.9
M27500-18SR1T23	1	18	38	1	.006	.008	.093	.100	11.9
M27500-16SR1T23	1	16	38	1	.006	.008	.101	.108	14.3
M27500-14SR1T23	1	14	38	1	.006	.008	.118	.126	20.2
M27500-12SR1T23	1	12	38	1	.006	.008	.136	.144	28.2
M27500-10SR1T23	1	10	38	1	.006	.008	.161	.175	42.7
M27500-8SR1T23	1	8	38	1	.007	.009	.223	.243	75.9
M27500-28SR2T23	2	28	38	2	.006	.008	.087	.092	6.3
M27500-26SR2T23	2	26	38	2	.006	.008	.097	.102	7.9
M27500-24SR2T23	2	24	38	2	.006	.008	.107	.113	9.8
M27500-22SR2T23	2	22	38	2	.006	.008	.119	.125	12.2
M27500-20SR2T23	2	20	38	2	.006	.008	.133	.141	16.5
M27500-18SR2T23	2	18	38	2	.006	.008	.153	.162	22.5
M27500-16SR2T23	2	16	38	2	.006	.008	.169	.178	27.3
M27500-14SR2T23	2	14	38	2	.006	.008	.203	.213	38.9
M27500-12SR2T23	2	12	38	2	.006	.009	.241	.253	55.1
M27500-10SR2T23	2	10	38	2	.007	.009	.291	.306	84.1
M27500-30SR3T23	3	30	38	3	.006	.008	.085	.090	6.5
M27500-28SR3T23	3	28	38	3	.006	.008	.091	.096	7.7
M27500-26SR3T23	3	26	38	3	.006	.008	.102	.107	10.0
M27500-24SR3T23	3	24	38	3	.006	.008	.113	.119	12.6
M27500-22SR3T23	3	22	38	3	.006	.008	.126	.132	15.9
M27500-20SR3T23	3	20	38	3	.006	.008	.141	.148	21.5
M27500-18SR3T23	3	18	38	3	.006	.008	.163	.171	29.7
M27500-16SR3T23	3	16	38	3	.006	.008	.180	.189	36.4
M27500-14SR3T23	3	14	38	3	.007	.009	.219	.230	53.9
M27500-12SR3T23	3	12	38	3	.007	.009	.257	.270	77.2
M27500-10SR3T23	3	10	38	3	.007	.009	.311	.327	120.0

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SB, SC, SR, SS and ST (AS22759/32, /33, /44, /45 and /46 Basic Wire Spec.) Modified Crosslinked ETFE

Table 3: SR (AS22759/44 Basic Wire Spec) | 200°C | Silver-Coated Copper Conductor and Braid (continued)									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-26SR4T23	4	26	38	4	.006	.008	.110	.127	12.1
M27500-24SR4T23	4	24	38	4	.006	.008	.123	.141	15.6
M27500-22SR4T23	4	22	38	4	.006	.008	.137	.159	20.5
M27500-20SR4T23	4	20	38	4	.006	.008	.154	.179	28.1
M27500-18SR4T23	4	18	38	4	.006	.008	.178	.208	39.4
M27500-16SR4T23	4	16	38	4	.006	.008	.198	.231	48.4
M27500-14SR4T23	4	14	38	4	.007	.009	.241	.282	71.5
M27500-12SR4T23	4	12	38	4	.007	.009	.284	.334	102.0
M27500-10SR4T23	4	10	38	4	.008	.010	.347	.408	156.0

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SB, SC, SR, SS and ST (AS22759/32, /33, /44, /45 and /46 Basic Wire Spec.) Modified Crosslinked ETFE

Table 4: SS (AS22759/45 Basic Wire Spec) | 200°C | Nickel-Coated Copper Conductor and Braid

Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-30SS1T23	1	30	38	1	.006	.008	.057	.062	3.4
M27500-28SS1T23	1	28	38	1	.006	.008	.060	.065	3.9
M27500-26SS1T23	1	26	38	1	.006	.008	.065	.070	4.7
M27500-24SS1T23	1	24	38	1	.006	.008	.070	.075	5.8
M27500-22SS1T23	1	22	38	1	.006	.008	.076	.081	7.2
M27500-20SS1T23	1	20	38	1	.006	.008	.084	.089	9.4
M27500-18SS1T23	1	18	38	1	.006	.008	.094	.099	12.6
M27500-16SS1T23	1	16	38	1	.006	.008	.102	.108	15.2
M27500-14SS1T23	1	14	38	1	.006	.008	.119	.125	21.4
M27500-12SS1T23	1	12	38	1	.006	.008	.137	.143	29.8
M27500-30SS2T23	2	30	38	2	.006	.008	.081	.086	5.3
M27500-28SS2T23	2	28	38	2	.006	.008	.087	.092	6.2
M27500-26SS2T23	2	26	38	2	.006	.008	.097	.102	7.6
M27500-24SS2T23	2	24	38	2	.006	.008	.107	.113	9.5
M27500-22SS2T23	2	22	38	2	.006	.008	.119	.125	12.4
M27500-20SS2T23	2	20	38	2	.006	.008	.135	.141	16.6
M27500-18SS2T23	2	18	38	2	.006	.008	.155	.162	22.9
M27500-16SS2T23	2	16	38	2	.006	.008	.171	.178	27.9
M27500-14SS2T23	2	14	38	2	.006	.008	.205	.213	40.2
M27500-12SS2T23	2	12	38	2	.007	.009	.243	.251	56.6
M27500-10SS2T23	2	10	38	2	.007	.009	.291	.306	83.9
M27500-30SS3T23	3	30	38	3	.006	.008	.085	.090	6.6
M27500-28SS3T23	3	28	38	3	.006	.008	.091	.096	7.8
M27500-26SS3T23	3	26	38	3	.006	.008	.102	.108	9.7
M27500-24SS3T23	3	24	38	3	.006	.008	.113	.119	12.6
M27500-22SS3T23	3	22	38	3	.006	.008	.126	.132	16.5
M27500-20SS3T23	3	20	38	3	.006	.008	.143	.149	22.6
M27500-18SS3T23	3	18	38	3	.006	.008	.165	.172	31.9
M27500-16SS3T23	3	16	38	3	.006	.008	.182	.189	39.2
M27500-14SS3T23	3	14	38	3	.007	.009	.221	.229	56.7
M27500-12SS3T23	3	12	38	3	.007	.009	.260	.270	81.8

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SB, SC, SR, SS and ST (AS22759/32, /33, /44, /45 and /46 Basic Wire Spec.) Modified Crosslinked ETFE

Table 4: SS (AS22759/45 Basic Wire Spec) | 200°C | Nickel-Coated Copper Conductor and Braid (continued)									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-28SS4T23	4	28	38	4	.006	.008	.098	.113	9.3
M27500-26SS4T23	4	26	38	4	.006	.008	.110	.127	12.1
M27500-24SS4T23	4	24	38	4	.006	.008	.123	.141	15.4
M27500-22SS4T23	4	22	38	4	.006	.008	.137	.159	19.7
M27500-20SS4T23	4	20	38	4	.006	.008	.154	.179	27.0
M27500-18SS4T23	4	18	38	4	.006	.008	.178	.208	37.7
M27500-16SS4T23	4	16	38	4	.006	.008	.198	.231	46.4
M27500-14SS4T23	4	14	38	4	.007	.009	.241	.282	69.1
M27500-12SS4T23	4	12	38	4	.007	.009	.284	.334	99.7

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SB, SC, SR, SS and ST (AS22759/32, /33, /44, /45 and /46 Basic Wire Spec.) Modified Crosslinked ETFE

Table 5: ST (AS22759/46 Basic Wire Spec) | 200°C | Nickel-Coated HIgh Strength Copper Alloy Conductor with Tin-Coated Copper Braid

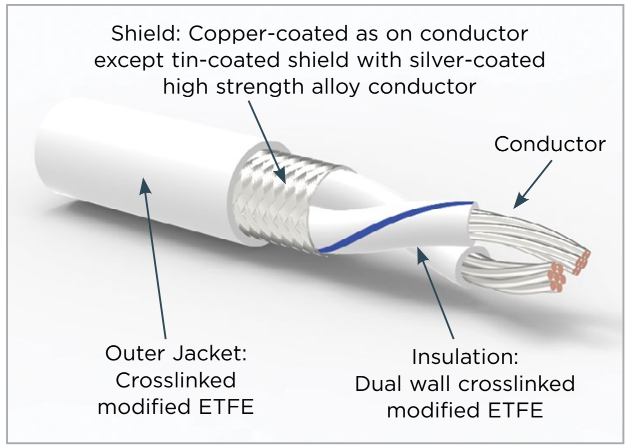
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-28ST1T23	1	28	38	1	.006	.008	.060	.065	3.9
M27500-26ST1T23	1	26	38	1	.006	.008	.065	.070	4.7
M27500-24ST1T23	1	24	38	1	.006	.008	.070	.076	5.7
M27500-22ST1T23	1	22	38	1	.006	.008	.076	.082	7.0
M27500-20ST1T23	1	20	38	1	.006	.008	.083	.089	9.0
M27500-18ST1T23	1	18	38	1	.006	.008	.093	.100	12.0
M27500-16ST1T23	1	16	38	1	.006	.008	.101	.108	14.5
M27500-28ST2T23	2	28	38	2	.006	.008	.087	.092	6.3
M27500-26ST2T23	2	26	38	2	.006	.008	.097	.102	7.9
M27500-24ST2T23	2	24	38	2	.006	.008	.107	.112	9.8
M27500-22ST2T23	2	22	38	2	.006	.008	.119	.125	12.4
M27500-20ST2T23	2	20	38	2	.006	.008	.133	.140	16.4
M27500-18ST2T23	2	18	38	2	.006	.008	.153	.161	22.1
M27500-16ST2T23	2	16	38	2	.006	.008	.169	.177	27.0
M27500-28ST3T23	3	28	38	3	.006	.008	.091	.096	7.7
M27500-26ST3T23	3	26	38	3	.006	.008	.102	.107	10.0
M27500-24ST3T23	3	24	38	3	.006	.008	.113	.119	12.6
M27500-22ST3T23	3	22	38	3	.006	.008	.126	.132	16.2
M27500-20ST3T23	3	20	38	3	.006	.008	.141	.148	21.8
M27500-18ST3T23	3	18	38	3	.006	.008	.163	.171	30.0
M27500-16ST3T23	3	16	38	3	.006	.008	.180	.189	37.0
M27500-28ST4T23	4	28	38	4	.006	.008	.098	.113	9.3
M27500-26ST4T23	4	26	38	4	.006	.008	.110	.127	12.1
M27500-24ST4T23	4	24	38	4	.006	.008	.123	.141	15.4
M27500-22ST4T23	4	22	38	4	.006	.008	.137	.159	20.1
M27500-20ST4T23	4	20	38	4	.006	.008	.154	.179	27.4
M27500-18ST4T23	4	18	38	4	.006	.008	.178	.208	38.1
M27500-16ST4T23	4	16	38	4	.006	.008	.198	.231	47.2

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500 - SD, SE, SM, SN and SP (AS22759/34, /35, /41, /42 and /43 Basic Wire Spec.) Modified Crosslinked ETFE

Radiation-Crosslinked, ETFE insulated, Dual Wall Normal Weight Airframe Cables

- **Construction:** Dual wall primary wires, braided and jacketed cable
- **Wire Insulation:** ETFE
- **Shielding:** 85% braid coverage
- **Cable Jacket:** ETFE
- **Voltage Rating:** 600V



Part Numbering System

M27500	-	12	SD	2	T	23
NEMA Base No.	Dash (-) = Striped Color Code	Conductor Size (AWG)	Basic Wire Spec. (SD = SAE AS22759/34)	No. of Conductors	Shield (T = Round Tinned Copper)	Jacket Material (23 = White XL = ETFE)

Color Codes

- Wire 1: No Stripe
- Wire 2: Blue Stripe
- Wire 3: Orange Stripe
- Wire 4: Green Stripe

Note: Wires are identified by color stripes on white wire (M27500-) or solid wire colors (M27500A). See Color Chart for sequence.

Below and on back are listed the most common material and design choices available from TE Connectivity. Please note that other versions are available upon request.

Table 1: SD (AS22759/34 Basic Wire Spec) | 150°C | Tin-Coated Copper Conductor and Braid

Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-24SD1T23	1	24	38	1	.005	.010	.078	.083	6.3
M27500-22SD1T23	1	22	38	1	.005	.010	.084	.089	7.9
M27500-20SD1T23	1	20	38	1	.005	.010	.092	.097	10.0
M27500-18SD1T23	1	18	38	1	.005	.010	.103	.109	13.3
M27500-16SD1T23	1	16	38	1	.005	.010	.111	.117	16.0
M27500-14SD1T23	1	14	38	1	.005	.010	.128	.134	22.2
M27500-12SD1T23	1	12	38	1	.005	.010	.145	.151	30.3
M27500-10SD1T23	1	10	38	1	.005	.010	.168	.176	45.0
M27500-8SD1T23	1	8	38	1	.006	.011	.229	.250	76.6
M27500-6SD1T23	1	6	38	1	.007	.012	.275	.286	115
M27500-4SD1T23	1	4	36	1	.008	.014	.350	.368	181

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500 - SD, SE, SM, SN and SP (AS22759/34, /35, /41, /42 and /43 Basic Wire Spec.) Modified Crosslinked ETFE

Table 1: SD (AS22759/34 Basic Wire Spec) | 150°C | Tin-Coated Copper Conductor and Braid (continued)									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-24SD2T23	2	24	38	2	.005	.010	.123	.129	11.0
M27500-22SD2T23	2	22	38	2	.005	.010	.135	.141	13.9
M27500-20SD2T23	2	20	38	2	.005	.010	.151	.158	18.2
M27500-18SD2T23	2	18	38	2	.005	.010	.173	.180	24.5
M27500-16SD2T23	2	16	38	2	.006	.011	.189	.196	28.8
M27500-14SD2T23	2	14	38	2	.006	.011	.225	.233	41.4
M27500-12SD2T23	2	12	38	2	.007	.012	.259	.269	57.4
M27500-10SD2T23	2	10	38	2	.007	.013	.308	.323	85.7
M27500-8SD2T23	2	8	36	2	.008	.014	.432	.454	163
M27500-6SD2T23	2	6	34	2	.009	.017	.532	.559	251
M27500-4SD2T23	2	4	34	2	.012	.022	.677	.711	385
M27500-24SD3T23	3	24	38	3	.005	.010	.130	.137	14.7
M27500-22SD3T23	3	22	38	3	.005	.010	.141	.149	18.5
M27500-20SD3T23	3	20	38	3	.005	.010	.158	.167	24.7
M27500-18SD3T23	3	18	38	3	.005	.010	.184	.193	33.3
M27500-16SD3T23	3	16	38	3	.006	.011	.199	.209	40.2
M27500-14SD3T23	3	14	38	3	.007	.012	.238	.250	57.8
M27500-12SD3T23	3	12	38	3	.007	.012	.275	.288	81.3
M27500-10SD3T23	3	10	36	3	.007	.014	.330	.347	126
M27500-8SD3T23	3	8	36	3	.009	.017	.464	.494	234
M27500-6SD3T23	3	6	34	3	.010	.018	.571	.602	347
M27500-4SD3T23	3	4	34	3	.012	.022	.728	.764	541
M27500-24SD4T23	4	24	38	4	.005	.010	.142	.165	18.0
M27500-22SD4T23	4	22	38	4	.005	.010	.154	.179	22.5
M27500-20SD4T23	4	20	38	4	.005	.010	.173	.202	30.0
M27500-18SD4T23	4	18	38	4	.006	.011	.202	.237	42.2
M27500-16SD4T23	4	16	38	4	.006	.011	.221	.259	51.4
M27500-14SD4T23	4	14	38	4	.007	.012	.262	.308	74.0
M27500-12SD4T23	4	12	36	4	.007	.013	.308	.361	108
M27500-10SD4T23	4	10	36	4	.008	.014	.365	.430	162
M27500-8SD4T23	4	8	34	4	.009	.017	.520	.613	299
M27500-6SD4T23	4	6	34	4	.010	.018	.637	.753	455
M27500-4SD4T23	4	4	34	4	.014	.024	.812	.960	710

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SE, SM, SN and SP (AS22759/34, /35, /41, /42 and /43 Basic Wire Spec.) Modified Crosslinked ETFE

Table 2: SE (AS22759/35 Basic Wire Spec) | 200°C | Silver-Coated HIgh Strength Copper Alloy Conductor with Tin-Coated Copper Braid

Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-30SE1T23	1	30	38	1	.006	.008	.065	.070	4.0
M27500-28SE1T23	1	28	38	1	.006	.008	.068	.073	4.5
M27500-26SE1T23	1	26	38	1	.006	.008	.073	.078	5.3
M27500-24SE1T23	1	24	38	1	.006	.008	.078	.083	6.3
M27500-22SE1T23	1	22	38	1	.006	.008	.084	.089	7.9
M27500-20SE1T23	1	20	38	1	.006	.008	.092	.097	10.0
M27500-30SE2T23	2	30	38	2	.006	.008	.097	.102	6.9
M27500-28SE2T23	2	28	38	2	.006	.008	.103	.109	7.9
M27500-26SE2T23	2	26	38	2	.006	.008	.113	.119	9.6
M27500-24SE2T23	2	24	38	2	.006	.008	.123	.129	11.0
M27500-22SE2T23	2	22	38	2	.006	.008	.135	.141	13.9
M27500-20SE2T23	2	20	38	2	.006	.008	.151	.158	18.2
M27500-30SE3T23	3	30	38	3	.006	.008	.102	.108	8.4
M27500-28SE3T23	3	28	38	3	.006	.008	.109	.115	9.8
M27500-26SE3T23	3	26	38	3	.006	.008	.119	.125	12.1
M27500-24SE3T23	3	24	38	3	.006	.008	.130	.136	14.4
M27500-22SE3T23	3	22	38	3	.006	.008	.143	.149	18.5
M27500-20SE3T23	3	20	38	3	.006	.008	.160	.167	24.7
M27500-26SE4T23	4	26	38	4	.006	.008	.130	.150	14.7
M27500-24SE4T23	4	24	38	4	.006	.008	.142	.165	18.0
M27500-22SE4T23	4	22	38	4	.006	.008	.154	.179	22.9
M27500-20SE4T23	4	20	38	4	.006	.008	.173	.202	30.4
M27500-18SE4T23	4	18	38	4	.006	.008	.202	.237	42.2

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SE, SM, SN and SP (AS22759/34, /35, /41, /42 and /43 Basic Wire Spec.) Modified Crosslinked ETFE

Table 3: SM (AS22759/41 Basic Wire Spec) | 200°C | Nickel-Coated Copper Conductor and Braid

Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-26SM1T23	1	26	38	1	.006	.008	.073	.077	5.6
M27500-24SM1T23	1	24	38	1	.006	.008	.078	.082	6.6
M27500-22SM1T23	1	22	38	1	.006	.008	.084	.088	8.1
M27500-20SM1T23	1	20	38	1	.006	.008	.092	.097	10.3
M27500-18SM1T23	1	18	38	1	.006	.008	.103	.108	13.6
M27500-16SM1T23	1	16	38	1	.006	.008	.111	.117	16.2
M27500-14SM1T23	1	14	38	1	.006	.008	.128	.134	22.4
M27500-12SM1T23	1	12	38	1	.006	.008	.145	.152	31.0
M27500-10SM1T23	1	10	38	1	.006	.008	.169	.177	44.7
M27500-8SM1T23	1	8	38	1	.007	.009	.230	.242	80.1
M27500-6SM1T23	1	6	38	1	.007	.009	.276	.290	116.0
M27500-4SM1T23	1	4	36	1	.009	.010	.351	.369	193.0
M27500-28SM2T23	2	28	38	2	.006	.008	.103	.108	8.1
M27500-26SM2T23	2	26	38	2	.006	.008	.113	.119	9.6
M27500-24SM2T23	2	24	38	2	.006	.008	.123	.129	11.4
M27500-22SM2T23	2	22	38	2	.006	.008	.135	.142	14.5
M27500-20SM2T23	2	20	38	2	.006	.008	.151	.159	18.7
M27500-18SM2T23	2	18	38	2	.006	.008	.173	.182	25.3
M27500-16SM2T23	2	16	38	2	.006	.008	.189	.198	30.4
M27500-14SM2T23	2	14	38	2	.007	.009	.225	.236	43.4
M27500-12SM2T23	2	12	38	2	.007	.009	.259	.272	60.6
M27500-10SM2T23	2	10	38	2	.007	.009	.307	.322	88.2
M27500-8SM2T23	2	8	36	2	.009	.011	.433	.455	165.2
M27500-26SM3T23	3	26	38	3	.006	.008	.119	.125	12.1
M27500-24SM3T23	3	24	38	3	.006	.008	.130	.137	14.7
M27500-22SM3T23	3	22	38	3	.006	.008	.141	.150	18.9
M27500-20SM3T23	3	20	38	3	.006	.008	.158	.167	24.8
M27500-18SM3T23	3	18	38	3	.006	.008	.184	.193	34.3
M27500-16SM3T23	3	16	38	3	.006	.008	.199	.212	41.5
M27500-14SM3T23	3	14	38	3	.007	.009	.238	.252	60.6
M27500-12SM3T23	3	12	38	3	.007	.009	.275	.291	84.2
M27500-10SM3T23	3	10	38	3	.008	.010	.326	.348	126.0
M27500-8SM3T23	3	8	36	3	.009	.011	.464	.487	236.0

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SE, SM, SN and SP (AS22759/34, /35, /41, /42 and /43 Basic Wire Spec.) Modified Crosslinked ETFE

Table 3: SM (AS22759/41 Basic Wire Spec) | 200°C | Nickel-Coated Copper Conductor and Braid (continued)									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-26SM4T23	4	26	38	4	.006	.008	.130	.150	14.7
M27500-24SM4T23	4	24	38	4	.006	.008	.142	.165	18.0
M27500-22SM4T23	4	22	38	4	.006	.008	.154	.179	22.5
M27500-20SM4T23	4	20	38	4	.006	.008	.173	.202	30.0
M27500-18SM4T23	4	18	38	4	.006	.008	.202	.237	42.2
M27500-16SM4T23	4	16	38	4	.007	.009	.221	.259	51.4
M27500-14SM4T23	4	14	38	4	.007	.009	.262	.308	74.0
M27500-12SM4T23	4	12	38	4	.007	.009	.304	.357	104.0
M27500-10SM4T23	4	10	36	4	.008	.010	.365	.430	162.0

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SE, SM, SN and SP (AS22759/34, /35, /41, /42 and /43 Basic Wire Spec.) Modified Crosslinked ETFE

Table 4: SN (AS22759/42 Basic Wire Spec) | 200°C | Nickel-Coated HIgh Strength Copper Alloy Conductor with Tin-Coated Copper Braid									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-26SN1T23	1	26	38	1	.006	.008	.073	.077	5.6
M27500-24SN1T23	1	24	38	1	.006	.008	.078	.082	6.6
M27500-22SN1T23	1	22	38	1	.006	.008	.084	.088	8.1
M27500-20SN1T23	1	20	38	1	.006	.008	.092	.097	10.3
M27500-18SN1T23	1	18	38	1	.006	.008	.103	.108	13.6
M27500-16SN1T23	1	16	38	1	.006	.008	.111	.117	16.2
M27500-26SN2T23	2	26	38	2	.006	.008	.113	.119	9.6
M27500-24SN2T23	2	24	38	2	.006	.008	.123	.129	11.4
M27500-22SN2T23	2	22	38	2	.006	.008	.135	.142	14.5
M27500-20SN2T23	2	20	38	2	.006	.008	.151	.159	18.7
M27500-18SN2T23	2	18	38	2	.006	.008	.173	.182	25.3
M27500-16SN2T23	2	16	38	2	.006	.008	.189	.198	30.4
M27500-26SN3T23	3	24	38	3	.006	.008	.119	.125	12.1
M27500-24SN3T23	3	22	38	3	.006	.008	.130	.137	14.7
M27500-22SN3T23	3	20	38	3	.006	.008	.143	.150	18.9
M27500-20SN3T23	3	18	38	3	.006	.008	.160	.168	25.0
M27500-18SN3T23	3	16	38	3	.006	.008	.184	.193	34.3
M27500-16SN3T23	3	14	38	3	.006	.008	.201	.212	41.5
M27500-26SN4T23	4	26	38	4	.006	.008	.130	.150	14.7
M27500-24SN4T23	4	24	38	4	.006	.008	.142	.165	18.0
M27500-22SN4T23	4	22	38	4	.006	.008	.154	.179	22.9
M27500-20SN4T23	4	20	38	4	.006	.008	.173	.202	30.4
M27500-18SN4T23	4	18	38	4	.006	.008	.202	.237	44.3
M27500-16SN4T23	4	16	38	4	.007	.009	.221	.259	53.4

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500- SE, SM, SN and SP (AS22759/34, /35, /41, /42 and /43 Basic Wire Spec.) Modified Crosslinked ETFE

Table 5: SP (AS22759/43 Basic Wire Spec) | 200°C | Silver-Coated Copper Conductor and Braid									
Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-26SP1T23	1	26	38	1	.006	.008	.073	.078	5.6
M27500-24SP1T23	1	24	38	1	.006	.008	.078	.083	6.5
M27500-22SP1T23	1	22	38	1	.006	.008	.083	.088	7.8
M27500-20SP1T23	1	20	38	1	.006	.008	.091	.096	9.9
M27500-18SP1T23	1	18	38	1	.006	.008	.103	.108	13.3
M27500-16SP1T23	1	16	38	1	.006	.008	.110	.118	15.6
M27500-14SP1T23	1	14	38	1	.006	.008	.127	.133	21.7
M27500-12SP1T23	1	12	38	1	.006	.008	.144	.151	29.6
M27500-10SP1T23	1	10	38	1	.006	.008	.167	.175	43.2
M27500-8SP1T23	1	8	38	1	.007	.009	.230	.242	77.8
M27500-26SP2T23	2	26	38	2	.006	.008	.113	.119	9.6
M27500-24SP2T23	2	24	38	2	.006	.008	.123	.129	11.4
M27500-22SP2T23	2	22	38	2	.006	.008	.135	.141	14.3
M27500-20SP2T23	2	20	38	2	.006	.008	.151	.158	18.5
M27500-18SP2T23	2	18	38	2	.006	.008	.173	.182	24.8
M27500-16SP2T23	2	16	38	2	.006	.008	.189	.196	29.9
M27500-14SP2T23	2	14	38	2	.007	.009	.225	.234	41.8
M27500-12SP2T23	2	12	38	2	.007	.009	.259	.270	59.2
M27500-10SP2T23	2	10	38	2	.007	.009	.307	.322	87.4
M27500-8SP2T23	2	8	36	2	.009	.011	.433	.455	160.0
M27500-6SP2T23	2	6	36	2	.010	.012	.527	.553	236.0
M27500-26SP3T23	3	26	38	3	.006	.0075	.113	.125	11.8
M27500-24SP3T23	3	24	38	3	.006	.0075	.123	.136	14.7
M27500-22SP3T23	3	22	38	3	.006	.0075	.135	.149	18.9
M27500-20SP3T23	3	20	38	3	.006	.0075	.151	.167	24.9
M27500-18SP3T23	3	18	38	3	.006	.0075	.173	.191	34.0
M27500-16SP3T23	3	16	38	3	.006	.0075	.189	.209	41.4
M27500-14SP3T23	3	14	38	3	.007	.0085	.225	.248	59.4
M27500-12SP3T23	3	12	38	3	.007	.0085	.259	.287	83.7

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

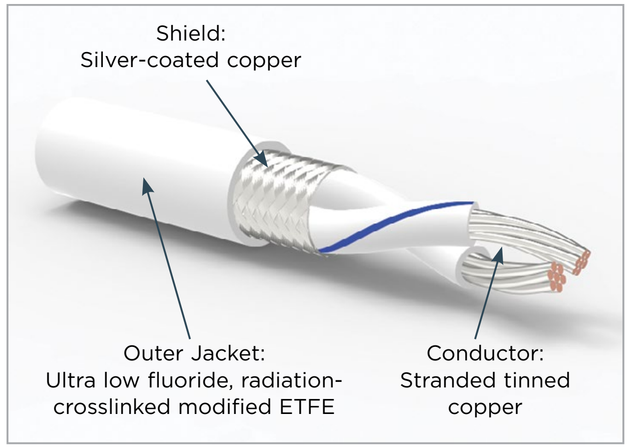
NEMA WC 27500- SE, SM, SN and SP (AS22759/34, /35, /41, /42 and /43 Basic Wire Spec.) Modified Crosslinked ETFE

Table 5: SP (AS22759/43 Basic Wire Spec) | 200°C | Silver-Coated Copper Conductor and Braid (continued)

Mil-Spec	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
					Minimum	Nominal	Nominal	Maximum	
M27500-26SP4T23	4	26	38	4	.006	.008	.130	.150	14.7
M27500-24SP4T23	4	24	38	4	.006	.008	.142	.165	18.0
M27500-22SP4T23	4	22	38	4	.006	.008	.154	.179	22.5
M27500-20SP4T23	4	20	38	4	.006	.008	.173	.202	30.0
M27500-18SP4T23	4	18	38	4	.006	.008	.202	.237	42.2
M27500-16SP4T23	4	16	38	4	.007	.009	.221	.259	51.4
M27500-14SP4T23	4	14	38	4	.007	.009	.262	.308	74.0
M27500-12SP4T23	4	12	38	4	.007	.009	.304	.357	104.0
M27500-10SP4T23	4	10	36	4	.008	.010	.365	.430	162.0
M27500-8SP4T23	4	8	34	4	.009	.011	.520	.613	305.0
M27500-6SP4T23	4	6	34	4	.012	.014	.637	.753	455.0

Note: This cable was formerly listed under MIL-C-27500 and is supplied in full compliance with NEMA WC27500 specification requirements, including those for product identification (cable mark), labelling and testing.

NEMA WC 27500-*UB (AS22759/52 Basic Wire Spec.) Ultra Low Fluoride, Modified Crosslinked ETFE



Radiation-Crosslinked, Silver-Coated Copper, General Purpose Two Conductor Cables

- **Jacket:** Ultra low fluoride, radiation-crosslinked modified ETFE
- **Construction:** Dual wall primary wires with braid and outer jacket
- **Conductor:** Stranded tinned copper
- **Shielding:** Silver-coated copper
- **Temperature Rating:** 200°C
- **Voltage Rating:** 600 V

Part Numbering System

M27500	-	12	UB	2	S	23
NEMA Base No.	Dash (-) = Striped Color Code	Conductor Size (AWG)	Basic Wire Spec. (UB = SAE M22759/52)	No. of Conductors	Shield (S = Silver-Coated Copper)	Jacket Material (23 = White XL = ETFE)

Color Codes

Wire 1: No Stripe	Wire 3: Orange Stripe
Wire 2: Blue Stripe	Wire 4: Green Stripe

Note: Wires are identified by color stripes on white wire (M27500-) or solid wire colors (M27500A). See Color Chart for sequence.

Below and on back are listed the most common material and design choices available from TE Connectivity. Please note that other versions are available upon request.

Table 1: UB (AS22759/52 Basic Wire Spec) | 200°C | Silver-Coated Copper Braid								
Mil-Spec	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
				Minimum	Nominal	Nominal	Maximum	
M27500-28UB1S23	28	38	1	.006	.008	.087	.092	6.3
M27500-26UB1S23	26	38	1	.006	.008	.097	.102	7.9
M27500-24UB1S23	24	38	1	.006	.008	.107	.112	9.8
M27500-22UB1S23	22	38	1	.006	.008	.119	.125	12.2
M27500-20UB1S23	20	38	1	.006	.008	.133	.140	16.2
M27500-18UB1S23	18	38	1	.006	.008	.153	.161	21.9
M27500-16UB1S23	16	38	1	.006	.008	.169	.177	26.6
M27500-14UB1S23	14	38	1	.006	.008	.203	.213	38.4
M27500-12UB1S23	12	38	1	.007	.009	.241	.253	55.1
M27500-10UB1S23	10	38	1	.007	.009	.291	.306	84.1

Note: Nominal values are for information only. Nominal values are not requirements.

NEMA WC 27500-*UB (AS22759/52 Basic Wire Spec.) Ultra Low Fluoride, Modified Crosslinked ETFE

Table 1: UB (AS22759/52 Basic Wire Spec) | 200°C | Silver-Coated Copper Braid (continued)								
Mil-Spec	Conductor Size (AWG)	Shield Size (AWG)	No. Cores	Jacket Thickness (in.)		Outside Diameter (in.)		Maximum Weight (lbs/1000 ft.)
				Minimum	Nominal	Nominal	Maximum	
M27500-26UB2S23	26	38	2	.006	.008	.110	.127	12.1
M27500-24UB2S23	24	38	2	.006	.008	.123	.141	15.4
M27500-22UB2S23	22	38	2	.006	.008	.137	.159	19.7
M27500-20UB2S23	20	38	2	.006	.008	.154	.179	27.0
M27500-18UB2S23	18	38	2	.006	.008	.178	.208	37.7
M27500-16UB2S23	16	38	2	.006	.008	.198	.231	46.4
M27500-14UB2S23	14	38	2	.007	.009	.241	.282	69.1
M27500-12UB2S23	12	38	2	.007	.009	.284	.334	99.6
M27500-10UB2S23	10	38	2	.008	.010	.347	.408	156.0

Note: Nominal values are for information only. Nominal values are not requirements.

Notes

Notes

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We make it easy to connect with our experts and are ready to provide the support you need.
Visit **te.com/support** to chat with a Product Information Specialist.

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