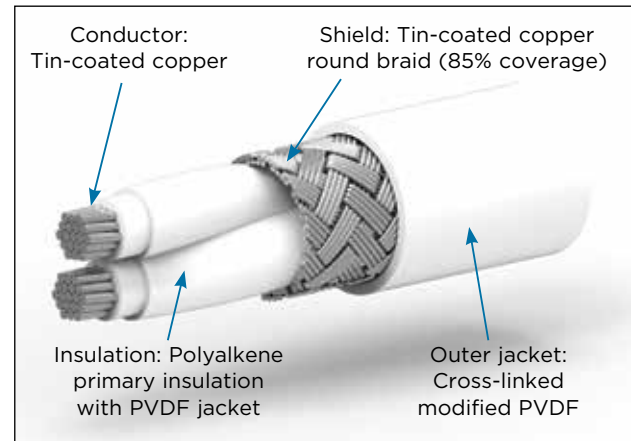




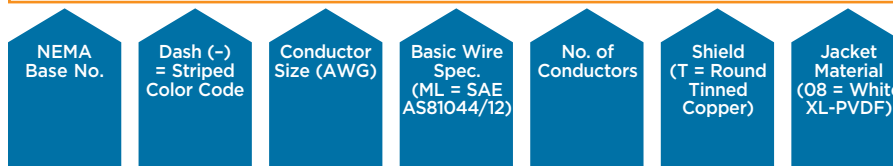
NEMA WC 27500-*ML (AS81044/12 Basic Wire Spec.)

General Purpose Airframe and Avionics Multi-Conductor Cables

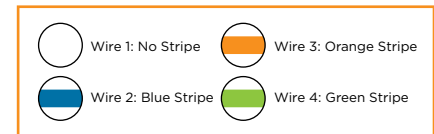
- **Insulation/Jacket:** Polyalkene (primary), PVDF (jacket)
- **Outer Jacket:** Cross-linked PVDF
- **Construction:** Dual wall primary wires with shield and outer jacket
- **Conductor:** Stranded tinned copper
- **Shielding:** Round tinned copper braid



Part Numbering System



Color Chart



Note: Wires are identified by color stripes on white wire (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.

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



Part Number	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	Jacket Thickness (in.)		OD (in.)		Max. Weight (lbs/1000 ft.)
				Min.	Max.	Nom.	Max.	
M27500-26ML3T08	3	26	38	.005	.010	.106	.113	10.5
M27500-24ML3T08	3	24	38	.005	.010	.119	.126	13.5
M27500-22ML3T08	3	22	38	.005	.010	.135	.142	17.5
M27500-20ML3T08	3	20	38	.005	.010	.152	.160	23.2
M27500-18ML3T08	3	18	38	.006	.012	.175	.183	32.4
M27500-16ML3T08	3	16	38	.006	.012	.191	.199	39.3
M27500-14ML3T08	3	14	38	.007	.014	.227	.236	57.1
M27500-12ML3T08	3	12	38	.007	.014	.268	.279	83.5
M27500-26ML4T08	4	26	38	.005	.010	.115	.133	12.8
M27500-24ML4T08	4	24	38	.005	.010	.130	.150	16.3
M27500-22ML4T08	4	22	38	.005	.010	.147	.170	21.7
M27500-20ML4T08	4	20	38	.005	.010	.166	.193	29.2
M27500-18ML4T08	4	18	38	.006	.012	.192	.224	40.9
M27500-16ML4T08	4	16	38	.006	.012	.209	.245	49.6
M27500-14ML4T08	4	14	38	.007	.014	.252	.296	72.3
M27500-12ML4T08	4	12	38	.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.