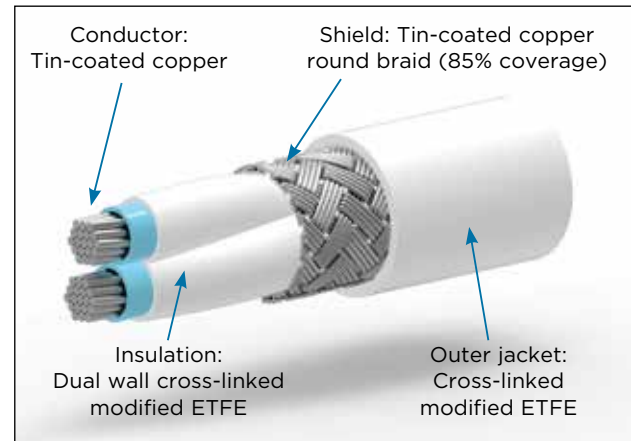




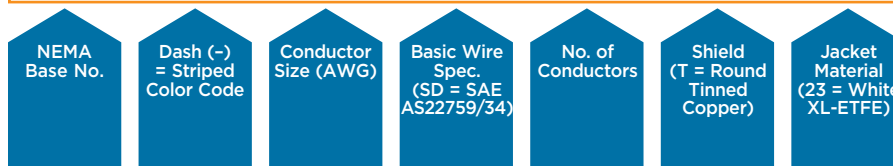
NEMA WC 27500-*SD (AS22759/34 Basic Wire Spec.)

General Purpose Airframe and Avionics Multi-Conductor Cables

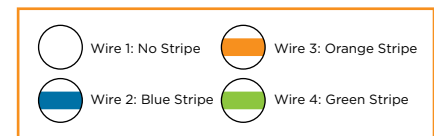
- **Insulation/Jacket:** Extruded cross-linked ETFE
- **Construction:** Dual wall construction; primary wires with shield and outer jacket
- **Conductor:** Stranded tinned copper
- **Shielding:** Round tinned copper braid



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.	
M27500-24SD1T23	1	24	38	.005	.010	.078	.083	6.3
M27500-22SD1T23	1	22	38	.005	.010	.084	.089	7.9
M27500-20SD1T23	1	20	38	.005	.010	.092	.097	10.0
M27500-18SD1T23	1	18	38	.005	.010	.103	.109	13.3
M27500-16SD1T23	1	16	38	.005	.010	.111	.117	16.0
M27500-14SD1T23	1	14	38	.005	.010	.128	.134	22.2
M27500-12SD1T23	1	12	38	.005	.010	.145	.151	30.3
M27500-10SD1T23	1	10	38	.005	.010	.168	.176	45.0
M27500-8SD1T23	1	8	38	.006	.011	.229	.250	76.6
M27500-6SD1T23	1	6	38	.007	.012	.275	.286	115
M27500-4SD1T23	1	4	36	.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.



Part Number	No. Conductors	Conductor Size (AWG)	Shield Size (AWG)	Jacket Thickness (in.)		OD (in.)		Max. Weight (lbs/1000 ft.)
				Min.	Max.	Nom.	Max.	
M27500-24SD2T23	2	24	38	.005	.010	.123	.129	11.0
M27500-22SD2T23	2	22	38	.005	.010	.135	.141	13.9
M27500-20SD2T23	2	20	38	.005	.010	.151	.158	18.2
M27500-18SD2T23	2	18	38	.005	.010	.173	.180	24.5
M27500-16SD2T23	2	16	38	.006	.011	.189	.196	28.8
M27500-14SD2T23	2	14	38	.006	.011	.225	.233	41.4
M27500-12SD2T23	2	12	38	.007	.012	.259	.269	57.4
M27500-10SD2T23	2	10	38	.007	.013	.308	.323	85.7
M27500-8SD2T23	2	8	36	.008	.014	.432	.454	163
M27500-6SD2T23	2	6	34	.009	.017	.532	.559	251
M27500-4SD2T23	2	4	34	.012	.022	.677	.711	385
M27500-24SD3T23	3	24	38	.005	.010	.130	.137	14.7
M27500-22SD3T23	3	22	38	.005	.010	.141	.149	18.5
M27500-20SD3T23	3	20	38	.005	.010	.158	.167	24.7
M27500-18SD3T23	3	18	38	.005	.010	.184	.193	33.3
M27500-16SD3T23	3	16	38	.006	.011	.199	.209	40.2
M27500-14SD3T23	3	14	38	.007	.012	.238	.250	57.8
M27500-12SD3T23	3	12	38	.007	.012	.275	.288	81.3
M27500-10SD3T23	3	10	36	.007	.014	.330	.347	126
M27500-8SD3T23	3	8	36	.009	.017	.464	.494	234
M27500-6SD3T23	3	6	34	.010	.018	.571	.602	347
M27500-4SD3T23	3	4	34	.012	.022	.728	.764	541
M27500-24SD4T23	4	24	38	.005	.010	.142	.165	18.0
M27500-22SD4T23	4	22	38	.005	.010	.154	.179	22.5
M27500-20SD4T23	4	20	38	.005	.010	.173	.202	30.0
M27500-18SD4T23	4	18	38	.006	.011	.202	.237	42.2
M27500-16SD4T23	4	16	38	.006	.011	.221	.259	51.4
M27500-14SD4T23	4	14	38	.007	.012	.262	.308	74.0
M27500-12SD4T23	4	12	36	.007	.013	.308	.361	108
M27500-10SD4T23	4	10	36	.008	.014	.365	.430	162
M27500-8SD4T23	4	8	34	.009	.017	.520	.613	299
M27500-6SD4T23	4	6	34	.010	.018	.637	.753	455
M27500-4SD4T23	4	4	34	.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.