

# M27500 spec pdf

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shielded and unshielded military. american national standards institute, inc. jacket: taped and fused white polytetrafluoroethylene. standard color coding available. 060, # 36 awg on 0. maximum number of wires is 15. ratings/ approvals. and unshielded cable construc-. family of companies. mil- spec 27500 also has a higher voltage rating than mil- spec 22759 wire. the number of wires will be as designated. stranded tin plated copper conductor. a speci cation is commonly. specification designation manufacturer' s designation 4 of 82 wc27500 construction groups 1, 2 and 3 me 1 u 00 awcme 1 u 00 a 28 ea 2 t 06 a 28 ea 2 t 06 b 26 jb 3 v 56 b 26 jb 3 v 56 c 24 jc 4 s c 24 jc 4 s d 22 jd 5 w d 22 jd 5 w. shield coverage and color identification- a slash followed by a dash ( - ) or letter code indicates both shielding coverage and the method of color identification of primary core insulation as detailed in table a. back to previous pdf iframe viewer request a quote download. below is a downloadable pdf chart to help you break down the m27500 specification. m27500 cable ( nema wc27500) base wire specification table b: base wire specification bysymbolsequence byspecificationsequence a saeas5086/ 1 nk sae as81381/ 21 saeas22759/ 1 ea saeas22759/ 85 wh aa saeas5086/ 5 nl saeas81381/ 22 saeas22759/ 2 e saeas22759/ 86 wj ab saeas5086/ 6 p sae as5086/ 4 saeas22759/ 3 ra saeas22759/ 87 wk ad saeas5086/ 7 ra saeas22759. 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. white extruded etfe jacket. the example indicates 85% and white primaries with colored stripes. military specification- m27500 is used to designate mil- dtl- 27500. and jacketing materials. ( ansi) standards and guideline publications, of which the document contained herein is one, are developed through a voluntary consensus standards development process. back to number of wires. by using our reference sheets, you can reassure yourself on selecting the appropriate cable that best fits your application. of conductors shield type jacket type mml 2 t 08 wc27500 code wire type insulation material temperature rating voltage sa sae as22759/ 7 ptfe 200° c 600v ta sae as22759/ 8 ptfe 260° c 600v le sae as22759/ 9 ptfe 200° c 1000v lh sae as22759/ 10 ptfe 260° c 600v. replaces mil- c- 27500. mrc- 3s06 12 19/ 25 0. for exceptions, please contact our sales department at. te connectivity ltd. when comparing insulation types, mil- spec m27500 wire commonly utilizes a variety of insulation types based on the intended application; such as ptfe, fep, or etfe insulation. rds wire & cable, inc. all products are manufactured to meet rohs compliance. the example indicates 85% and white primaries with colored. condu 3 ections and c ble products conductors, s or double jac al for use in a uipment due range of temp defense and a mance, mil rs of general pu s. this specification allows an almost infinite combination of wire, shielding. the ansi/ nema wc 27500 rev. cable specification identification method conductor awg size primary wire type no. sae - as22759 extruded ptfe. tions for avionics, aerospace,. unshielded cables may have from 2 to 15 conductors. care must be exercised in the selection of

components to assure compatibility [ for example, a tin plated shield will corrode or melt if placed under a ptfе ( 06) jacket. this specification covers the requirements for special purpose and power electrical ~ ~ cable ( see 6. by evaluating the pdf m27500 part, we can look at all the cables characteristics without visually seeing the product. , this specification covers the requirements for special purpose and power electrical cable. m27500 ca spec inner and single cable is ide support eq pdf in a broad to being a high perfor wide range application verage. 2 m27500 spec pdf classification. primary conductors manufactured in accordance to sae- as 22759. insulation: extruded polytetrafluoroethylene ( † teflon ptfе) in accordance with mil- w- 22759/ 11. lbs/ mft \* tables are€ illustrative€ and€ not€ exhaustive. 28 95 lbs/ mft mrc- 4s06 12 19/ 25 0. he cable shall be of the following types and shall be furnished' in the basic wire size and basic wire type, number of wires, and shield and jacket styles, as specified. cable: up to seven conductors available in configuration. mil- dtl- 27500h, detail specification: cable, power, electrical m27500 spec pdf and cable special purpose, electrical shielded and unshielded, general specification for ( ) [ supersedes mil- c- 27500g] [ s/ s by nema- wc27500) ]. used to describe both shielded. tin plated copper braid 85% coverage. , gardena, ca[ fax] www. shield: silver plated copper wire braid, 85% minimum coverage, # 38 awg on core diameters less than 0. 150° c 600 volts. mil- spec 27500 wire has a wider operational temperature range when compared to mil- spec 22759 wire. cables may be unjacketed, jacketed, shielded, or shielded and jacketed. build 27500 cable with mil spec wireaerospace sae as 27500 nema wc 27500 m27500. not for naval air systems command usage. this process brings together volunteers and/ or seeks out the views of persons who have an interest in the topic covered by this. conductors conductor size ( awg) shield size ( awg) jacket thickness ( in. ) 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. ( see designatorfo signator for the designa n order. m27500 cables— types sa and ta ( m22759/ 7, m27500 spec pdf / 8 components) mta 1 n 06 component wire awg component wire type sa: mil- w- 22759/ 7 ta: mil- w- 22759/ 8 jacket material— 06: white ptfе tape 20: white extruded pfa 21: clear extruded pfa number of component wires shield material— n: nickel- plated copper s: silver- plated copper. mrc 2 s 06 identification method & shield coverage conductor size basic wire specification number of conductors shield material jacket material table 1 table 2 \* above constructions are those currently offered by manufacturersargentia road mississauga, ontario l5n 5z6 - phone: visit us online at www.

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