

FED: SUP CLASS
9505

MATERIAL	NOMINAL WIRE DIAMETER								NOTES
	.015	.020	.032	.040	.041	.047	.051	.091	
	FIRST DASH NO. FOR MATERIAL AND WIRE DIA.								
NI-CU ALLOY (MONEL)		NC20	NC32	NC40			NC51	NC91	(3)
NI-CR-FE ALLOY (INCONEL)		N20	N32	N40			N51	N91	(3)
CARBON STEEL ZINC-COATED		F20	F32		F41	F47		F91	
CORROSION-RESIST. STEEL	C15	C20	C32		C41	C47		C91	
ALUMINUM ALLOY (BLUE)		AB20	AB32		AB41	AB47		AB91	(3)
COPPER (YELLOW)	CY15	CY20							(3 & 4)

WIRE TOLERANCE SHALL BE IN ACCORDANCE WITH VALUES SPECIFIED IN THE APPLICABLE WIRE MATERIAL SPECIFICATION.

MATERIAL. (DESIGNATED BY PREFIX LETTER REPLACING DASH BEFORE FIRST DASH NUMBER)
 F - CARBON STEEL, ZINC-COATED, SPECIFICATION QQ-W-481, ANSI NUMBERS 1006, 1010, OR 1015, ANNEALED.
 ** C - CORROSION-RESISTANT STEEL, SPECIFICATION QQ-W-423, FORM 1, COMPOSITION 302 OR 304, CONDITION A.
 N - NICKEL-CHROMIUM-IRON ALLOY, SPECIFICATION QQ-W-390, TEMPER A, ANNEALED.
 NC - NICKEL-COPPER ALLOY, SPECIFICATION QQ-W-281, CLASS A, FORM 1, ANNEALED.
 CY - COPPER, SPECIFICATION QQ-W-343, TYPE "S", ANNEALED, CADMIUM PLATED IN ACCORDANCE WITH QQ-P-416, TYPE 11, CLASS 2 (GOLDEN YELLOW).
 ** AB - ALUMINUM ALLOY WIRE 3036 ANODIZED, DYED BLUE IN ACCORDANCE WITH MIL-A-1825, TYPE 1 OR 11, CLASS 2, COLOR EQUIVALENT TO NUMBERS 15102 OR 25102 IN ACCORDANCE WITH FED STD 595.

DASH NUMBERS INDICATE WIRE MATERIAL AND DIAMETER IN THOUSANDTHS OF AN INCH. ADDITIONAL DASH NUMBERS INDICATING LENGTH IN INCHES ARE FOR REFERENCE ONLY AND SHALL NOT BE USED FOR PROCUREMENT OR STOCKING.

WIRE SIZES .015 TO .041 INCH IN DIAMETER SHALL BE FURNISHED ON SPOOLS CONTAINING 1 TO 5 POUNDS EACH.

WIRE SIZE .047 TO .091 SHALL BE FURNISHED ON SPOOLS OR REELS CONTAINING 5 TO 10 POUNDS EACH.

EXAMPLES OF PART NUMBERS

MS 20995 CY20 - COPPER, CADMIUM PLATED, YELLOW, SHEAR OR SEAL WIRE, .020 DIA.
 MS 20995 AB32 - ALUMINUM ALLOY, ANODIZED, BLUE, .032 DIA.

DIMENSIONS IN INCHES:

DESIGN AND USAGE LIMITATIONS (NOTES):

- (1) FOR GENERAL PRACTICES FOR SAFETY WIRING, USE MS 33540.
- (2) FOR LOCK WIRING OF TURNBUCKLES, USE MS 33591 AND MS 33736.
- (3) INCONEL WIRE (UNCOATED) USE FOR GENERAL LOCK WIRE AT TEMPERATURES 700°F AND ABOVE. MONEL WIRE (UNCOATED) USE FOR GENERAL LOCK WIRE AT TEMPERATURES UP TO 700°F. COPPER (CY) WIRE USE FOR SHEAR OR SEALING WIRE, ALUMINUM ALLOY (AB) USE FOR LOCK WIRE WITH MAGNESIUM.
- (4) CADMIUM PLATED COPPER IS NOT TO BE USED IN SPACE APPLICATIONS.

F ENTIRE STANDARD REVISED.

NOTES - When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement, the use of such data is not to be construed as an endorsement, approval, or recommendation by the Government, nor is it to be construed as a warranty or guarantee of any kind. The Government assumes no liability for any errors or omissions in any data supplied by the manufacturer or other source, and it is the responsibility of the user to verify the accuracy of such data before use.

This military standard is approved by the Chairman of Defense and is mandatory on all activities. Subsection for all new engineering and design applications and for replacement use shall be made from this document.

P.A. 84	TITLE	MILITARY STANDARD
Other Code AS	WIRE, SAFETY OR LOCK	MS 20995
MS		
PROCUREMENT SPECIFICATION (NONE)	SUPERSEDES	SHEET 1 OF 2
	AN995	

Previous work on the effects of the 1994-1995 drought on the