

**Rural Utilities Service, USDA**

**§ 1755.390**

**§§ 1755.201–1755.369 [Reserved]**

**§ 1755.370 RUS specification for seven wire galvanized steel strand.**

(a) RUS incorporates by reference ASTM A475–78, Standard Specification for Zinc-Coated Steel Wire Strand, issued May 1978. All seven wire galvanized steel strand purchased after April 1, 1990, for use on telecommunications systems financed by RUS loan funds must conform to this standard. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51 on January 19, 1990. Copies of ASTM A475–78 are available for inspection during normal business hours at the National Archives and Records Administration (NARA) and the Rural Utilities Service, Administrative Services Division, room 0175–S, U.S. Department of Agriculture, Washington, DC 20250, telephone 202–382–9551. For information on the availability of this material at NARA, call 202–741–6030, or go to: [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html). Copies are available from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, telephone 215–299–5400.

(b) In addition to the requirements of ASTM 475–78, all coils and reels having Class B or C coatings shall be marked with a 3-inch wide and 6-inch long deep-colored stripe, green or orange, respectively, to identify the class of galvanized coating of the strand. This marking shall be applied to the exposed convolutions of the strand in the eye of the coils and located near the midpoint on the outside layer of strand on the reels. The marking shall not cover any welded joint markings.

[55 FR 1792, Jan. 19, 1990; 55 FR 3685, Feb. 2, 1990. Redesignated at 55 FR 39397, Sept. 27, 1990, as amended at 69 FR 18803, Apr. 9, 2004]

**§§ 1755.371–1755.389 [Reserved]**

**§ 1755.390 RUS specification for filled telephone cables.**

(a) *Scope.* (1) This section covers the requirements for filled telephone cables intended for direct burial installation either by trenching or by direct

plowing, for underground application by placement in a duct, or for aerial installations by attachment to a support strand.

(i) The conductors are solid copper, individually insulated with an extruded solid insulating compound.

(ii) The insulated conductors are twisted into pairs which are then stranded or oscillated to form a cylindrical core.

(iii) For high frequency applications, the cable core may be separated into compartments with screening shields.

(iv) A moisture resistant filling compound is applied to the stranded conductors completely covering the insulated conductors and filling the interstices between pairs and units.

(v) The cable structure is completed by the application of suitable core wrapping material, a flooding compound, a shield or a shield/armor, and an overall plastic jacket.

(2) The number of pairs and gauge size of conductors which are used within the RUS program are provided in the following table:

AWG	19	22	24	26
Pairs	6	6	6	
	12	12	12	
	18	18	18	
	25	25	25	25
		50	50	50
		75	75	75
		100	100	100
		150	150	150
		200	200	200
		300	300	300
		400	400	400
			600	600
				900

NOTE: Cables larger in pair sizes than those shown in this table must meet all requirements of this section.

(3) Screened cable, when specified, must meet all requirements of this section. The pair sizes of screened cables used within the RUS program are referenced in paragraph (e)(2)(i) of this section.

(4) All cables sold to RUS borrowers for projects involving RUS loan funds under this section must be accepted by RUS Technical Standards Committee “A” (Telephone). For cables manufactured to the specification of this section, all design changes to an accepted design must be submitted for acceptance. RUS will be the sole authority on what constitutes a design change.