

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Numbers: 2132 – 2152

Issue: 3

Spec Number: C2132

Issue Date: 8/3/2004

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Effective Date: 9/28/2004

Product Description: Tinned Copper Oval Braid in accordance with Federal Specification A-A-59569A where indicated.

A. Construction

1) Conductor

a) Material

Tinned Copper, per ASTM B-33, latest revision and CID A-A-59551, latest revision

b) Stranding

Solid

2) Braid Data

Part Number	Nominal Dimensions (Inches)	AWG of Ends	Number of Carriers	Nominal Percent Coverage	Total Number of Ends	Approx. Equiv. AWG	Approx. Current Capacity (Amps)	Federal Spec. Number
2132	1/16	34	16	70	32	19	11	AA59569R34T0062
2138	11/64	34	24	90	120	14	32	AA59569R340171
2140	3/16	34	24	94	144	13	38	N/A
2142	1/4	34	24	91	168	12	41	N/A
2144	3/8	34	24	90	192	11	46	N/A
2146	1/2	34	48	94	336	9	62	AA59569R340500
2148	5/8	34	48	92	384	8	64	N/A
2150	11/16	34	48	95	480	7	81	N/A
2152	25/32	34	48	95	528	7	85	AA59569R340781

B. Industry Approvals and Ratings

1) DSCC-VAI

Commercial Item Description A-A-59569A, latest revision

C. Packaging Requirements

1) Standard Package

per Table 1

2) Length Tolerance

Packages shall be -0/+5% in length.

3) Splicing Method

Overlapped on spool, Ends may not be taped together.

4) End Protection

None

5) Multiple Pieces

100 ft. Put-ups shall be continuous, no splices allowed.

500 ft. Put-ups shall be 3 pieces Max

1000 ft. Put-ups shall be 4 pieces Max

The minimum individual length shall be 50 feet for 2132 (1/16) to 2140 (11/64) and 25 feet for all other sizes.

Table 1

Part Number	100 ft. Put-Up	500 ft. Put-Up	1000 ft. Put-Up
2132	SP1-10 2.75 x 1 x 1-1/8	SP3-10 3.5 x 3 x 1-1/8	W9-145 9 x 4.5 x 3.5
2138	W9-145 9 x 4.5 x 3.5	W12-6 12 x 6 x 3.5	W12-6 12 x 6 x 3.5
2140	W9-145 9 x 4.5 x 3.5	W12-6 12 x 6 x 3.5	N/A
2142	W9-145 9 x 4.5 x 3.5	W12-6 12 x 6 x 3.5	N/A
2144	W9-145 9 x 4.5 x 3.5	W12-6 12 x 6 x 3.5	N/A
2146	W9-145 9 x 4.5 x 3.5	N/A	N/A
2148	W9-145 9 x 4.5 x 3.5	N/A	N/A
2150	W9-145 9 x 4.5 x 3.5	N/A	N/A
2152	W9-145 9 x 4.5 x 3.5	N/A	N/A