

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Numbers: 1221 – 1242/4
Spec Number: C1221
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Issue: 3
Issue Date: 8/3/2004
Effective Date: 9/28/2004

Product Description: Tinned Copper Flat 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
1221	.025 x .015	36	8	N/A	8	27	4	N/A
1222	.031 x .020	36	16	N/A	16	24	6	N/A
1223	.047 x .020	36	24	N/A	24	22	7	AA59569F36T0031
1224	.094 x .020	36	16	N/A	48	19	11	NA
1229	.125 x .020	36	24	N/A	72	18	16	AA59569F36T0078
1230	.1875 x .020	36	24	N/A	120	15	25	AA59569F36T0125
1231	.250 x .030	36	24	N/A	168	14	32	AA59569F36T0171
1232	.375 x .030	36	48	N/A	288	12	46	N/A
1233/2	.500 x .030	36	48	N/A	384	10	53	N/A
1233	.625 x .030	36	48	N/A	384	10	53	AA59569F36T0375
1234	.750 x .040	36	48	N/A	864	7	88	AA59569F36T0781
1235	1.00 x .045	36	48	N/A	864	7	88	N/A
1239	1.375 x .050	30	48	N/A	336	5	100	AA59569F30T0875
1240	1.500 x .060	30	48	N/A	528	3	150	AA59569F30T1375
1241	1.750 x .080	30	48	N/A	1248	2/0	280	N/A
1242	2.00 x .120	30	48	N/A	1436	3/0	310	N/A
1242/4	3.00 x .200	30	48	N/A	2256	4/0	390	N/A

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 1221 (.025 x .015) to 1231 (.250 x .030) and 25 feet for all other sizes.

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Table 1

Part Number	100 ft. Put-Up	500 ft. Put-Up	1000 ft. Put-Up
1221	SP1-10 2.75 x 1 x 1-1/8	SP2-10 2.75 x 2 x 1-1/8	SP3-10 3.5 x 3 x 1-1/8
1222	SP1-10 2.75 x 1 x 1-1/8	SP2-10 2.75 x 2 x 1-1/8	SP3-10 3.5 x 3 x 1-1/8
1223	SP1-10 2.75 x 1 x 1-1/8	SP2-10 2.75 x 2 x 1-1/8	SP3-10 3.5 x 3 x 1-1/8
1224	SP1-10 2.75 x 1 x 1-1/8	W9-145 9 x 4.5 x 3.5	W9-145 9 x 4.5 x 3.5
1229	SP1-10 2.75 x 1 x 1-1/8	W9-145 9 x 4.5 x 3.5	W9-145 9 x 4.5 x 3.5
1230	SP2-10 2.75 x 2 x 1-1/8	W9-145 9 x 4.5 x 3.5	W9-145 9 x 4.5 x 3.5
1231	SP2-10 2.75 x 2 x 1-1/8	W9-145 9 x 4.5 x 3.5	W12-6 12 x 6 x 3.5
1232	SP3-10 3.5 x 3 x 1-1/8	W9-145 9 x 4.5 x 3.5	W12-6 12 x 6 x 3.5
1233/2	W9-145 9 x 4.5 x 3.5	W9-145 9 x 4.5 x 3.5	W12-6 12 x 6 x 3.5
1233	W9-145 9 x 4.5 x 3.5	W9-145 9 x 4.5 x 3.5	W12-6 12 x 6 x 3.5
1234	W9-145 9 x 4.5 x 3.5	W12-6 12 x 6 x 3.5	W16-11 16 x 11 x 8
1235	W9-145 9 x 4.5 x 3.5	W12-6 12 x 6 x 3.5	W16-11 16 x 11 x 8
1239	W12-6 12 x 6 x 3.5	W12-6 12 x 6 x 3.5	W16-11 16 x 11 x 8
1240	W12-6 12 x 6 x 3.5	N/A	N/A
1241	W12-6 12 x 6 x 3.5	N/A	N/A
1242	W12-6 12 x 6 x 3.5	N/A	N/A
1242/4	W16-11 16 x 11 x 8	N/A	N/A