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ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Numbers: 1221 – 1242/4 | **Issue: 4**
Spec Number: C1221 | **Issue Date: 2/25/2013**
 | **Effective Date: 2/25/2013**

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. Environmental Compliance

1) RoHS Directive (2011/65/EU):

All materials used in the manufacture of this part meet the requirements of European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.

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2) REACH Regulation (EC 1907/2006): This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration.

3) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

D. 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.

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

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