

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Numbers: 2160 – 2176
Spec Number: C2160
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Issue: 3
Issue Date: 8/3/2004
Effective Date: 9/28/2004

Product Description: Tinned Copper Tubular Braid in accordance with Federal Specification A-A-59569A

A. Construction

- 1) Conductor
 - a) Material Tinned Copper, per ASTM B-33, latest revision
 - b) Stranding Solid

- 2) Braid Data

Part Number	Nominal I.D. Round (Inches)	AWG of Ends	Number of Carriers	Nominal Percent Coverage	Number of Ends	Approx. Equiv. AWG	Approx. Current Capacity (Amps)	Federal Spec. Number
2160	0.031	36	24	71	24	22	7	AA59569R36T0031
2162	0.062	36	24	78	48	19	11	AA59569R36T0062
2163	0.078	36	24	88	72	18	16	AA59569R36T0078
2164	0.109	36	24	90	96	16	19	AA59569R36T0109
2166	0.125	36	24	93	120	15	25	AA59569R36T0125
2167	0.156	36	24	95	240	12	40	AA59569R36T0156
2168	0.171	36	24	96	168	14	32	AA59569R36T0171
2170	0.203	34	24	99	192	11	46	AA59569R34T0203
2171	0.250	36	24	99	384	10	53	AA59569R36T0250
2171/1	0.281	30	24	93	120	9	60	AA59569R30T0281
2172	0.375	36	48	97	384	10	53	AA59569R36T0375
2173	0.437	30	24	99	240	6	90	AA59569R30T0437
2174	0.500	36	48	99	528	9	62	AA59569R36T0500
2175	0.562	30	48	99	480	3	145	AA59569R30T0562
2175/1	0.656	30	48	99	768	1	190	AA59569R30T0656
2176	0.781	36	48	99	864	7	88	AA59569R36T0781

B. Industry Approvals and Ratings

- 1) DSCC-VAI Commercial Item Description A-A-59569A, latest issue

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.
250 ft. Put-ups shall be 2 pieces Max.
The minimum individual length shall be 50 feet for 2160 (1/32) to 2168 (11/64) and 25 feet for all other sizes.

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Table 1

Part Number	100 ft Put-Up	250 ft Put-Up
2160	SP1-10 2.75 x 1 x 1-1/8	SP1-10 2.75 x 1 x 1-1/8
2162	SP1-10 2.75 x 1 x 1-1/8	SP2-10 2.75 x 2 x 1-1/8
2163	SP2-10 2.75 x 2 x 1-1/8	SP3-10 3.5 x 3 x 1-1/8
2164	SP3-10 3.5 x 3 x 1-1/8	W9-145 9 x 4.5 x 3.5
2166	SP3-10 3.5 x 3 x 1-1/8	W9-145 9 x 4.5 x 3.5
2167	W9-145 9 x 4.5 x 3.5	W9-145 9 x 4.5 x 3.5
2168	W9-145 9 x 4.5 x 3.5	W9-145 9 x 4.5 x 3.5
2170	W9-145 9 x 4.5 x 3.5	N/A
2171	W9-145 9 x 4.5 x 3.5	N/A
2171/1	W9-145 9 x 4.5 x 3.5	N/A
2172	W9-145 9 x 4.5 x 3.5	N/A
2173	W9-145 9 x 4.5 x 3.5	N/A
2174	W9-145 9 x 4.5 x 3.5	N/A
2175	W12-6 12 x 6 x 3.5	N/A
2175/1	W12-6 12 x 6 x 3.5	N/A
2176	W12-6 12 x 6 x 3.5	N/A