

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Numbers: 2177 – 2182
Spec Number: C2177
Page 1 of 1 Pages

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 and CID A-A-59551, 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 |
|-------------|-----------------------------|-------------|--------------------|--------------------------|----------------|--------------------|---------------------------------|----------------------|
| 2177 | 7/8 | 30 | 48 | 90 | 336 | 5 | 100 | AA59569R36T0875 |
| 2178 | 1 | 30 | 48 | 90 | 384 | 4 | 120 | AA59569R36T1000 |
| 2179 | 1-1/8 | 30 | 48 | 91 | 432 | 4 | 130 | AA59569R36T1125 |
| 2180 | 1-1/4 | 30 | 48 | 90 | 480 | 3 | 145 | N/A |
| 2181 | 1-3/8 | 30 | 48 | 94 | 528 | 3 | 150 | AA59569R36T1375 |
| 2182 | 1-1/2 | 30 | 48 | 92 | 576 | 2 | 165 | AA59569R36T1500 |

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 Not Applicable
- 4) End Protection None
- 5) Multiple Pieces 100 ft. Put-ups shall be continuous, no splices allowed.

Table 1

| Part Number | 100 ft Put-Up |
|-------------|--------------------|
| 2177 | W12-6 12 x 6 x 3.5 |
| 2178 | W12-6 12 x 6 x 3.5 |
| 2179 | W12-6 12 x 6 x 3.5 |
| 2180 | W12-6 12 x 6 x 3.5 |
| 2181 | W12-6 12 x 6 x 3.5 |
| 2182 | W12-6 12 x 6 x 3.5 |